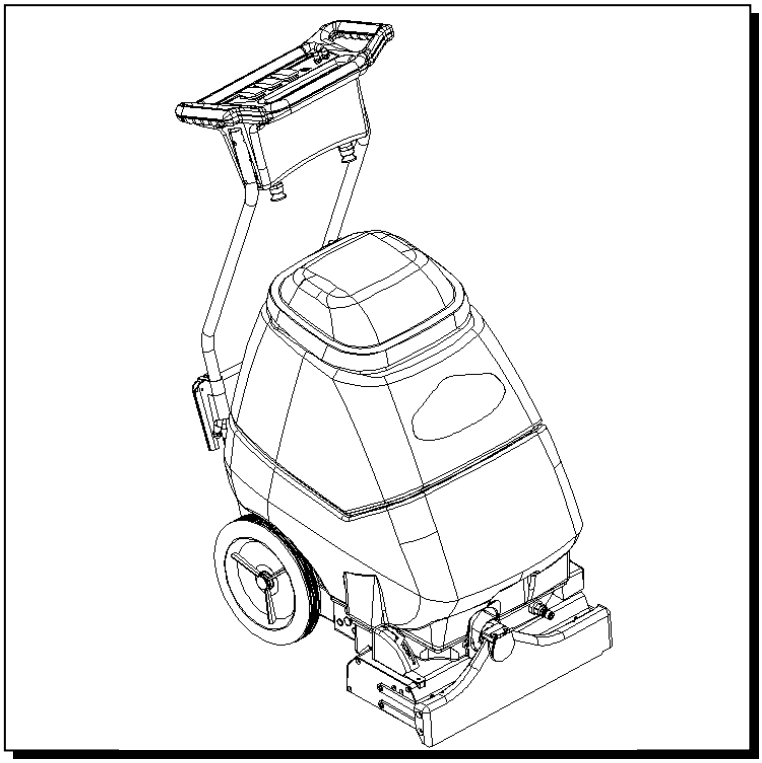
ADMIRAL™

WINDSOR®

CARPET EXTRACTOR



Operating Instructions (GB/USA)
Manuel d'utilisation (FRE)
Bedienungsanleitung (GER)

MODEL:	***COUNTRY***
ADM8IA	**AUSTRALIA**
ADM8IB	**BRITIAN**
ADM8IE	**EUROPE**
ADM8IS	**SWITZERLAND**

QUEST® . . . for Continuous Improvement.
Windsor's Quality Management System is Certified ISO 9001.

CE
IPX4

Read these instructions before operating the machine
Lire ce manuel avant d'utiliser la machine
Bitte lesen Sie diese Anleitungen, bevor Sie die Maschine in Gebrauch nehmen

AN

86038270 07/14/14

PRV NO. 98655

TABLE OF CONTENTS

Model: _____

Date of Purchase: _____

Serial Number: _____

Dealer: _____

Address: _____

Phone Number: _____

Sales Representative: _____

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INSPECTION

Carefully unpack and inspect your machine for shipping damage. Each unit is operated and thoroughly inspected before shipping, and any damage is the responsibility of the carrier, who should be notified immediately.

Warranty Registration

Thank you for purchasing a Windsor product. Warranty registration is quick and easy. Your registration will allow us to serve you better over the lifetime of the product.
To register your product go to:

www.windsorind.com/WarrantyRegistration.aspx

For customer assistance:

1-800-444-7654

WINDSOR

IMPORTANT SAFETY INSTRUCTIONS

When using an electrical appliance, basic precaution must always be followed, including the following:

READ ALL INSTRUCTIONS BEFORE USING THIS MACHINE.
This machine is for commercial use.

⚠ WARNING: **To reduce the risk of fire, electric shock, or injury:**

Connect to a **properly grounded outlet**.

Do not leave the machine unattended. Unplug machine from outlet when not in use and before maintenance or service.

Use only indoors. Do not use outdoors or expose to rain.

Do not allow machine to be used as a toy. **Close attention** is necessary when used by or near children.

Use only as described in this manual. Use only manufacturer's recommended components and attachments.

Do not use damaged electrical cord or plug. Follow all instructions in this manual concerning grounding the machine. If the machine is **not working properly**, has been dropped, damaged, left outdoors, or dropped into water, return it to an authorized service center.

Do not pull or carry machine by electrical cord, use as a handle, close a door on cord, or pull cord around sharp edges or corners.

Do not run machine over cord. **Keep** cord away from heated surfaces.

Do not unplug machine by pulling on cord. To unplug, grasp the electrical plug, not the electrical cord.

Do not handle the electrical plug or machine with wet hands.

Do not operate the machine with any openings blocked. Keep openings free of debris that may reduce airflow.

This machine is intended for cleaning carpet only.

Do not vacuum anything that is burning or smoking, such as cigarettes, matches, or hot ashes.

This machine is not suitable for picking up health endangering dust.

Turn off all controls before unplugging.

Machine can cause a fire when operating near flammable vapors or materials. Do not operate this machine near flammable fluids, dust or vapors.

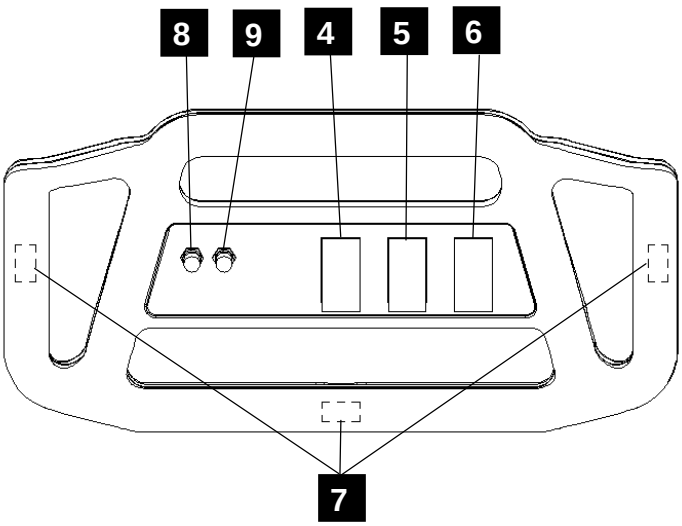
This machine is suitable for commercial use, for example in hotels, schools, hospitals, factories, shops and offices for more than normal housekeeping purposes.

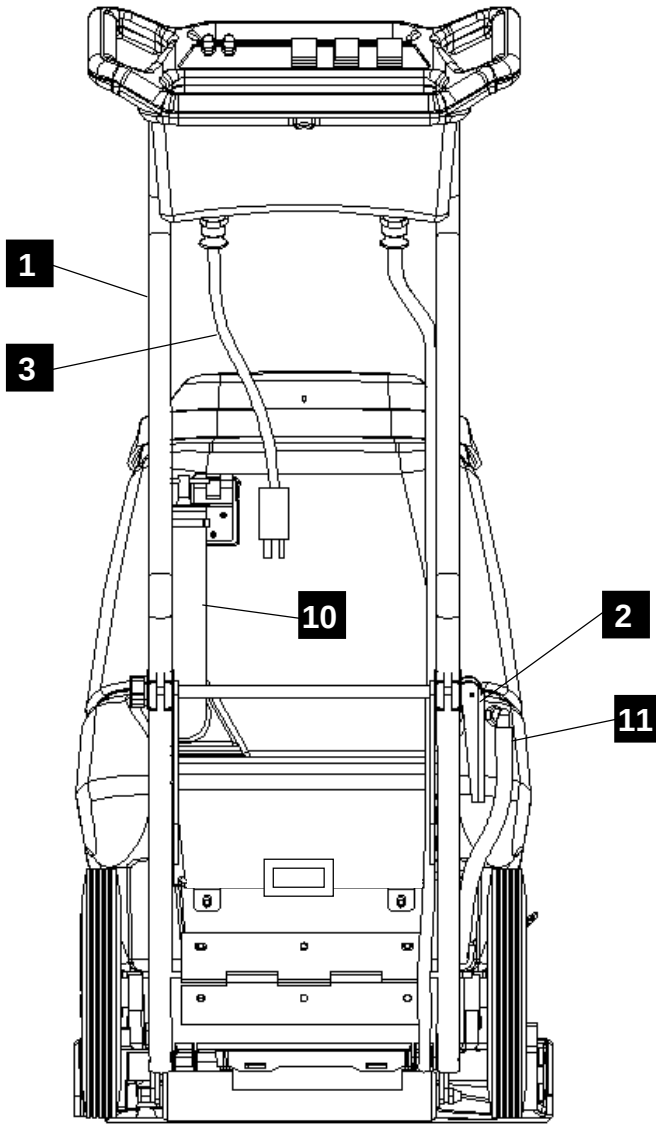
Maintenance and repairs must be done by qualified personnel.

If foam or liquid comes out of machine, switch off immediately.

SAVE THESE INSTRUCTIONS

CONTROLS/COMPONENT LOCATIONS





1. **Main Handle.** Used to pull and maneuver machine.

2. **Handle Adjustment.** Used to adjust height of handle.

3. **Electrical Cord.**

4. **Solution Switch.** Turns on pump. Continuous position (bottom) activates electro-valve to dispense solution to floor through jets. Intermittent position (up) requires operator to depress 1 of 3 trigger switches to dispense solution. Center position is off.

5. **Brush Motor Switch.** Turns on brush motor.

6. **Vacuum Motor Switch.** Turns on vacuum motor.

7. **Trigger Switches.** Activates electro-valve to dispense solution to floor through jets when solution switch is in the intermittent position.

8. **Brush Motor Circuit Breaker.** 4 amp. Breaker protecting brush motor.

9. **Vacuum Motor Circuit Breaker.** 7 amp. Breaker protecting vacuum motor.

10. **Recovery Dump Hose.** Facilitates draining dirty cleaning solution.

11. **Solution Dump Hose.** Facilitates draining excess cleaning solution from solution tank.

1. **Solution Accessory Tool Hookup.** Used for various auxiliary cleaning tools.

2. **Vacuum Hose Door.** Used to connect various auxiliary 1 ½ inch cleaning tool vacuum hoses.

3. **Brush Height Adjustment.** Used to regulate brush height from storage position to various carpet heights.

4. **Recovery Tank.** Used to collect dirty cleaning solution.

5. **Solution Tank.** Used to hold cleaning solution.

6. **Recovery Tank Dome.**

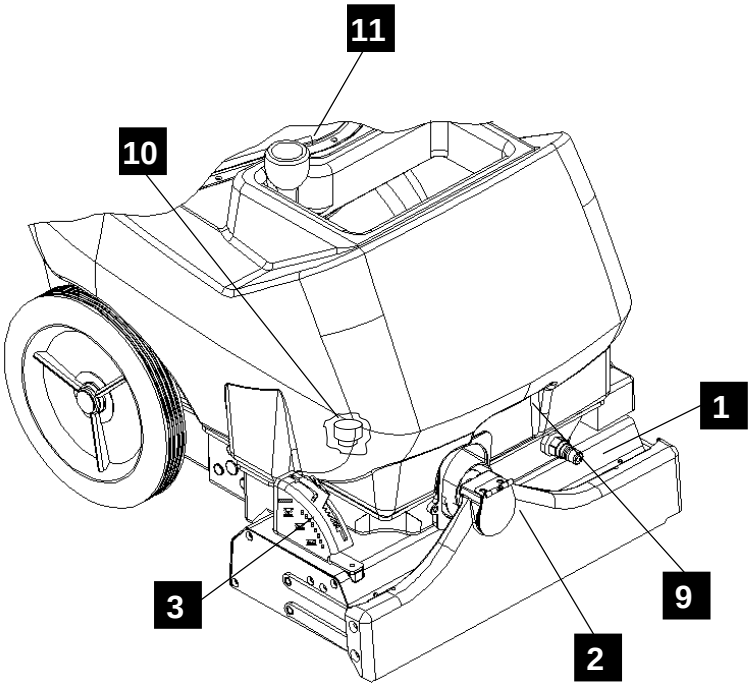
7. **Vacuum Shoe.**

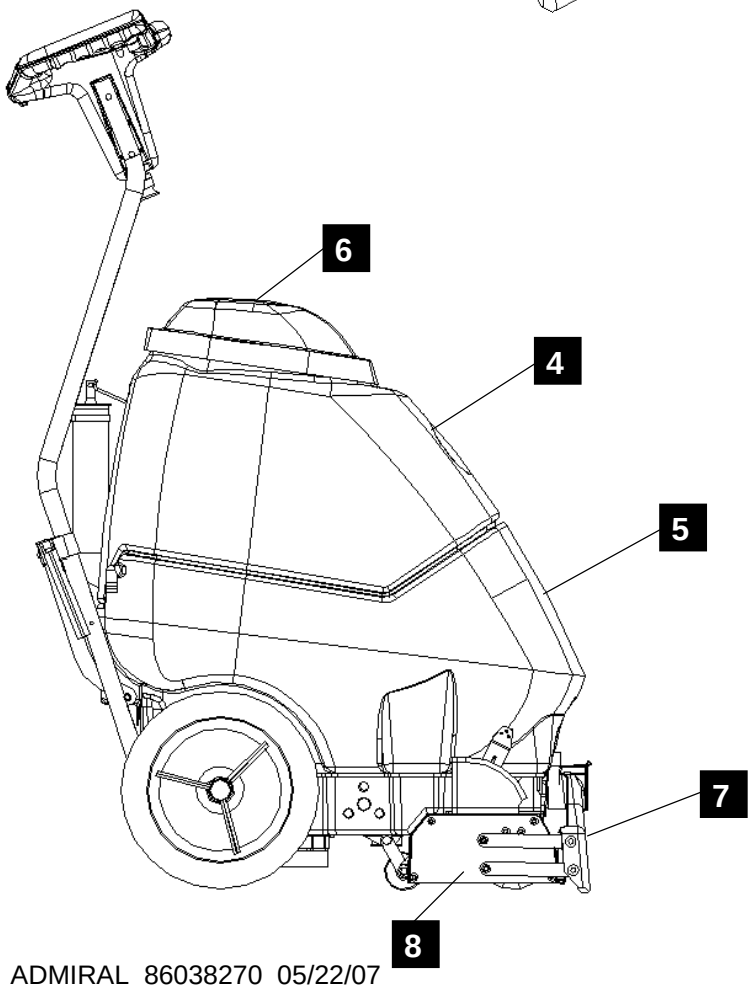
8. **Brush Housing.**

9. **Front Lifting Handle.**

10. **Cleaning Solution Filter.**

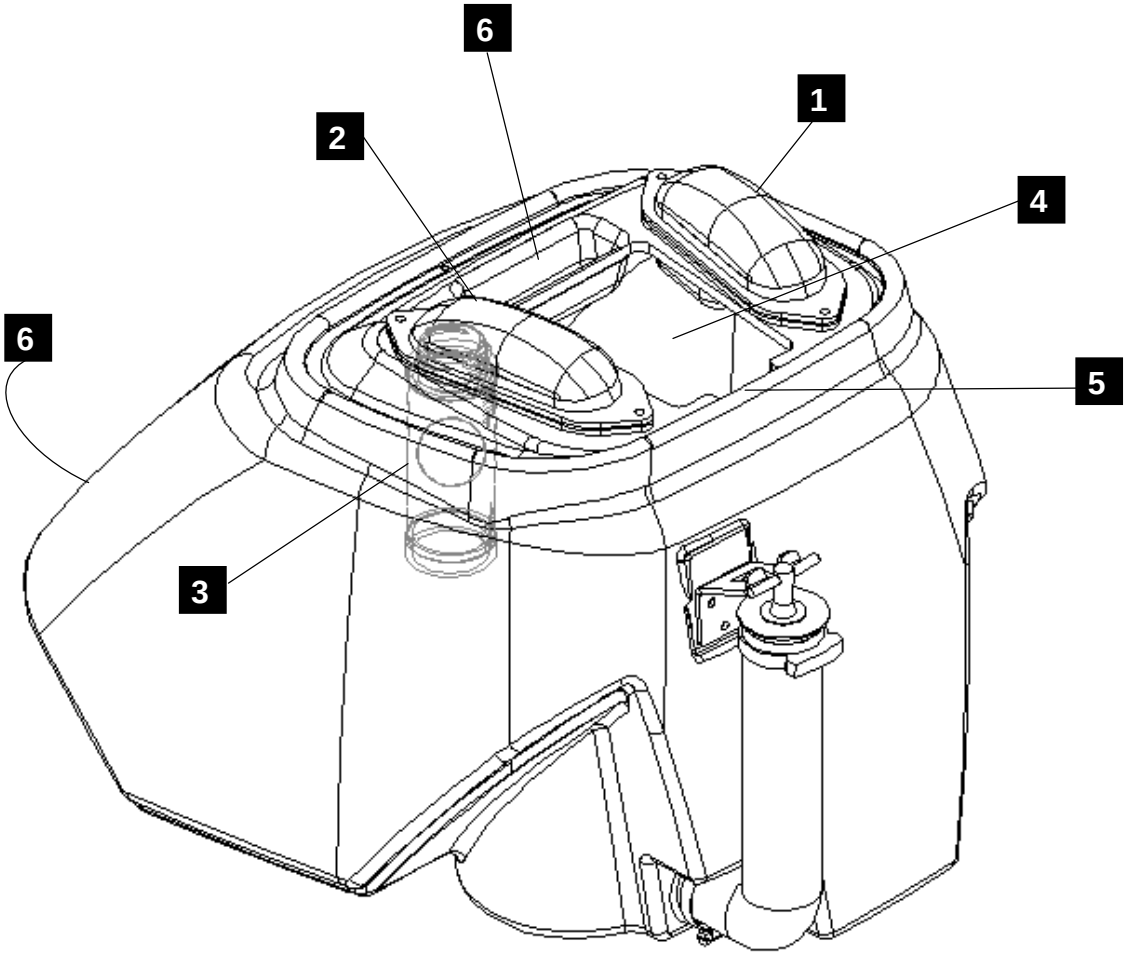
11. **Solution Tank Fill Hose.**

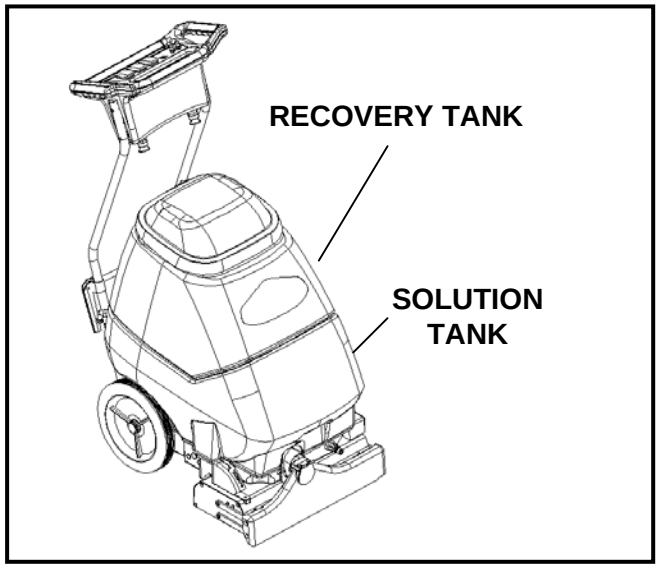


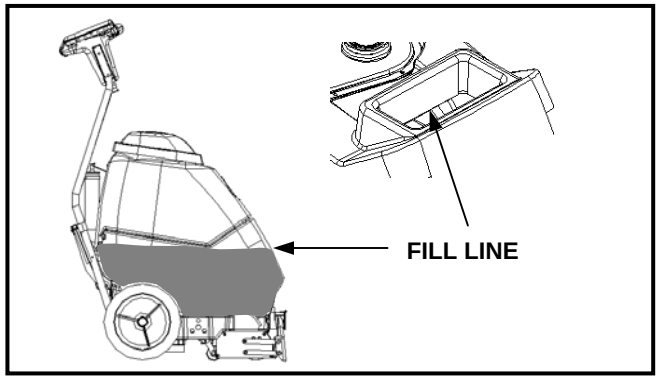


CONTROLS/COMPONENT LOCATIONS

1. **Solution Intake Cover.**
2. **Vacuum Intake Cover.**
3. **Float Shut-Off.**
4. **Clean-Out Opening.**
5. **Pour Spout.**
6. **Lift Handle.**







FILLING THE ADMIRAL

NOTE: Use clean bucket of water to fill solution tank

Do not put defoamer, solvents, spotter or prespray chemicals in the solution tank.

Do not allow water to spill into vacuum motor inlet. Dry spillage from top of solution tank before replacing recovery tank.

CHEMICALS

Suitable Chemicals

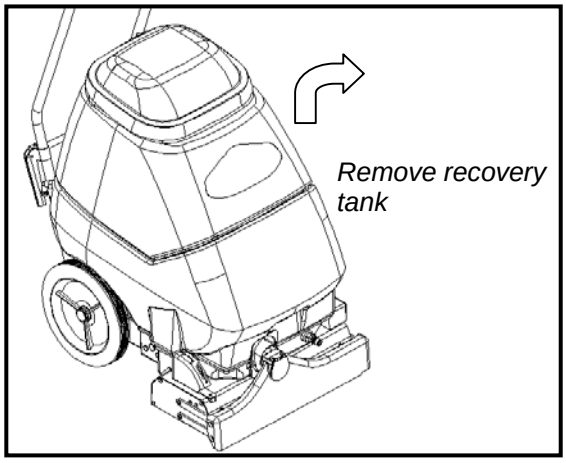
Alkalis
Detergents
Hydroxides
Soaps
Vinegar

Non-Compatible Chemicals

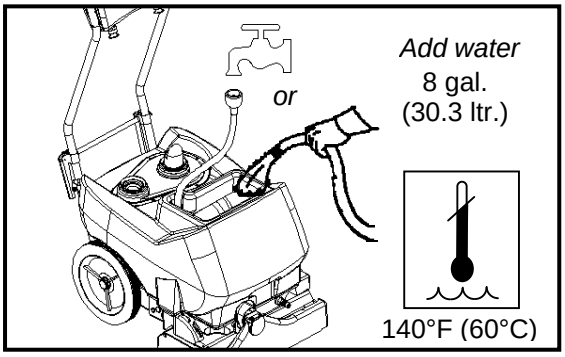
Aldehydes
Aromatic Hydrocarbons
SP Butyls
Carbon Tetrachloride
*Clorox**
Chlorinated Bleaches
Chlorinated Hydrocarbons
*Lysol**
Methyl Ethel Ketone (MEK)
Perchorethylene (perc)
Phenolics
Trichlorethylene
D-Limonene

** Product Trademark Names*

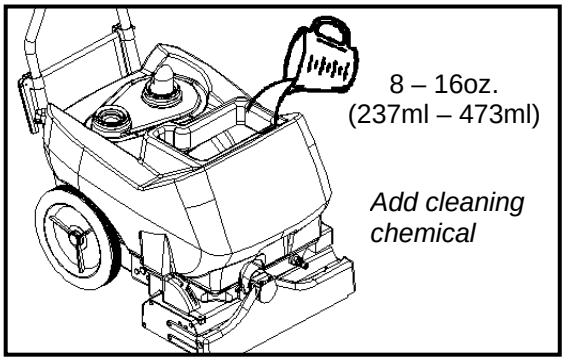
STEP **1**



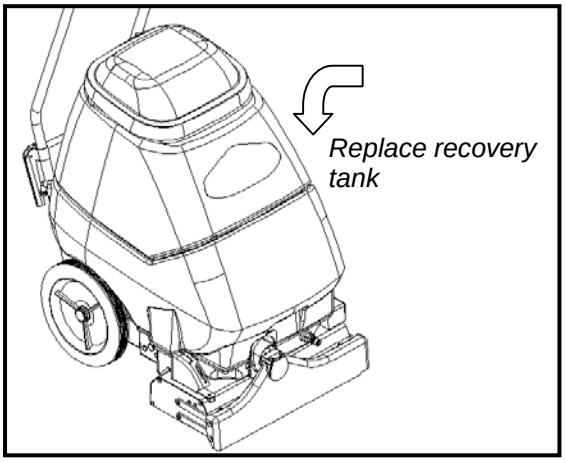
STEP **2**



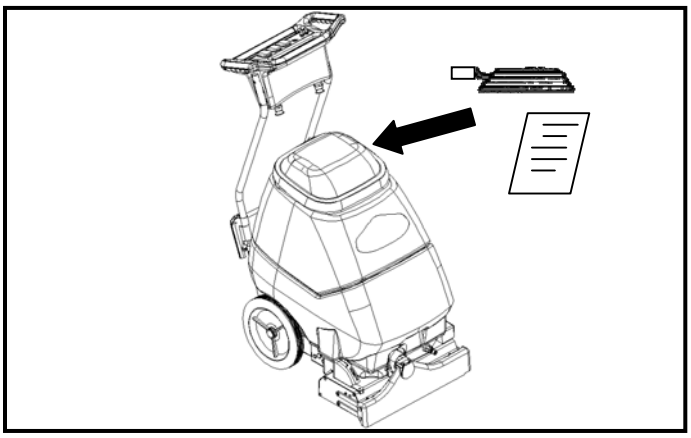
STEP **3**



STEP **4**

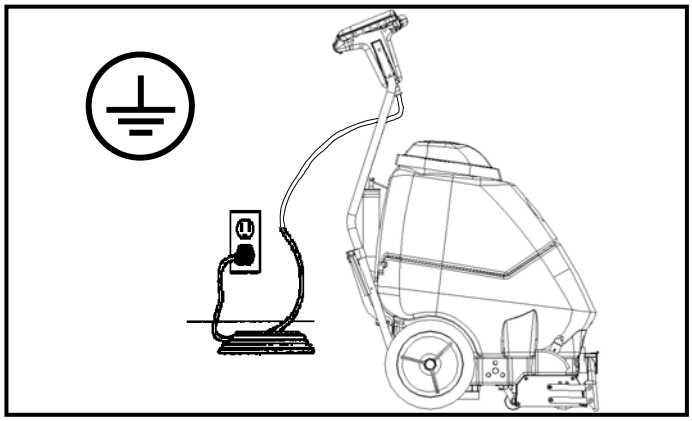


OPERATIONS



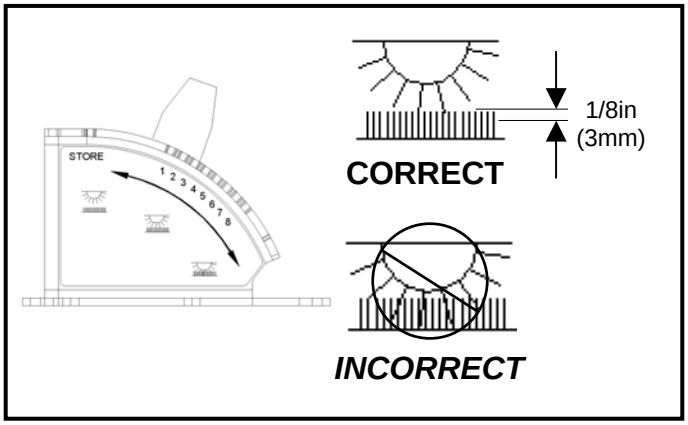
STEP **1**

Remove electrical cord and literature from recovery tank. Fill solution tank (see filling instructions page 6).



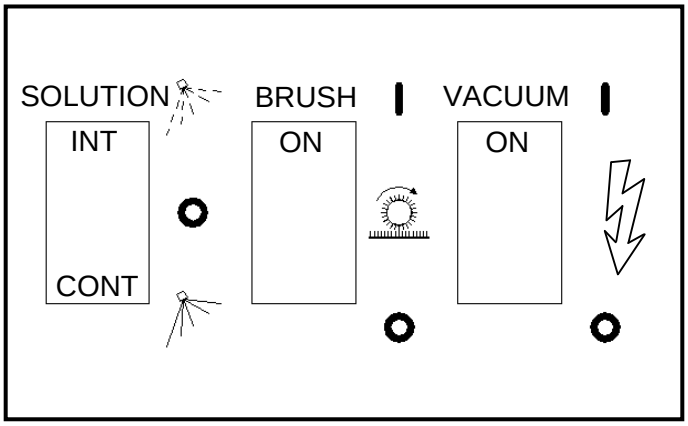
STEP **2**

Plug cord into grounded outlet. *Note: Be sure dome is seated on recovery tank, and float shut-off is installed correctly.*



STEP **3**

Adjust brush to proper setting. *Note: For good operation the brush must skim the carpet. If circuit breaker trips raise brush to prevent damage to motor or carpet.*

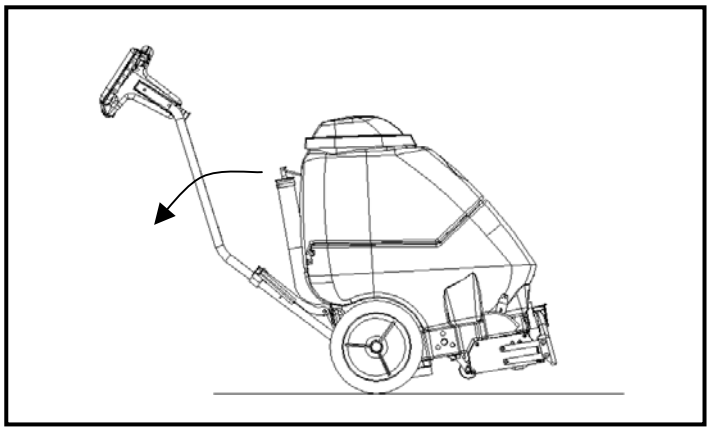


STEP **4**

Turn on brush and vacuum motor switches (“ON”=“I”). Turn on solution switch for continuous spray or set switch to intermittent to allow use of trigger switches.

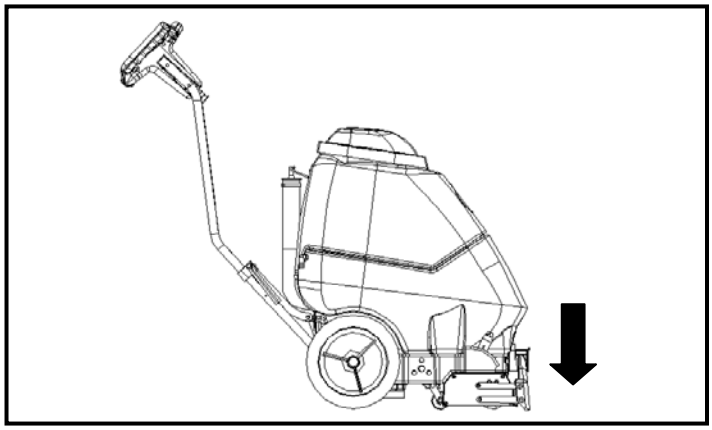
Adjust handle to comfortable operating position. Tip machine back by main handle to move to starting point.

STEP **5**



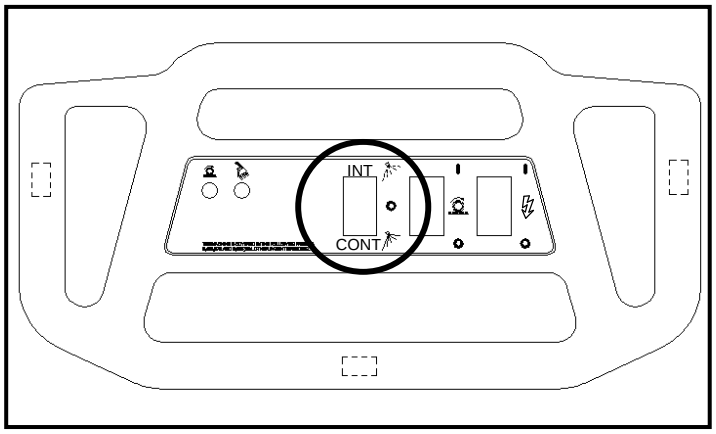
Lower machine to floor.

STEP **6**

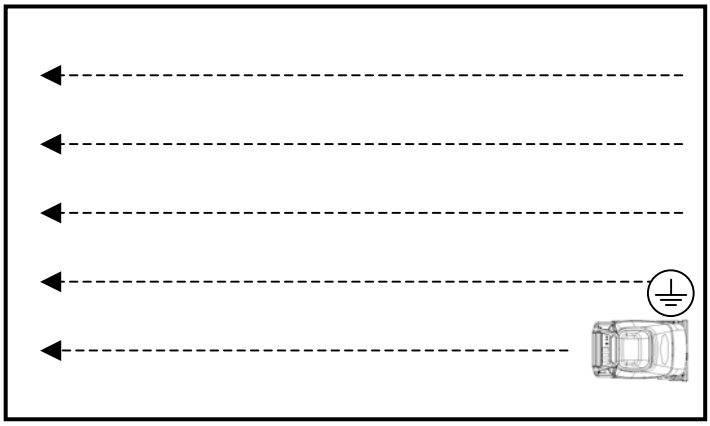


Select continuous setting to start solution spray or select intermittent setting to enable use of trigger switches to start solution spray. The intermittent setting requires the operator to hold any one of the three trigger switches in the “on” position with the fingers, and is typically used in small areas where short cleaning passes are made. The continuous setting allows the operator to set the switch in the “on” position with one touch, and is typically used in large areas where long cleaning passes are made.

STEP **7**

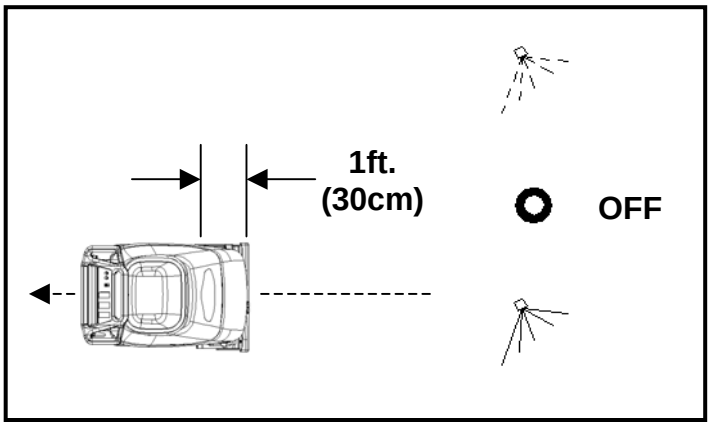


CLEANING PROCEDURE



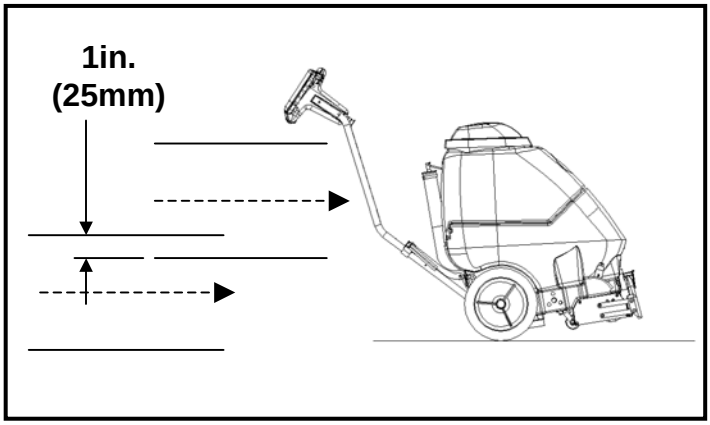
STEP **1**

Start at wall closest to power outlet. Pull straight back without pushing down on handle.



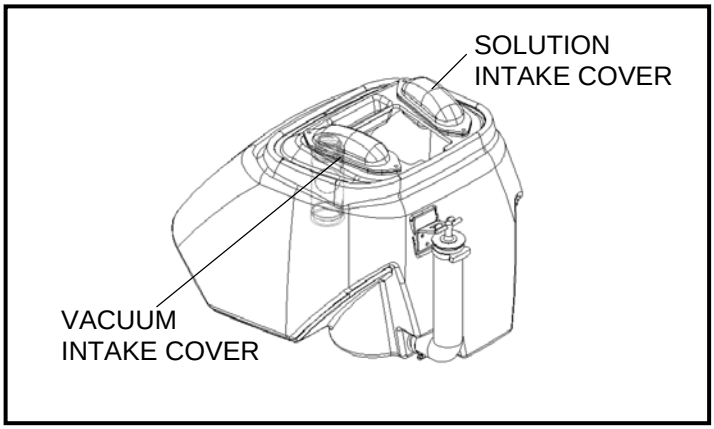
STEP **2**

Release intermittent trigger switches or turn off continuous setting on solution switch approximately 1 foot before ending cleaning pass.



STEP **3**

Push down on handle to raise vacuum shoe and brush before moving to the next cleaning pass. Overlap brush contact area a minimum of 1inch on the right (close cleaning) side of machine.



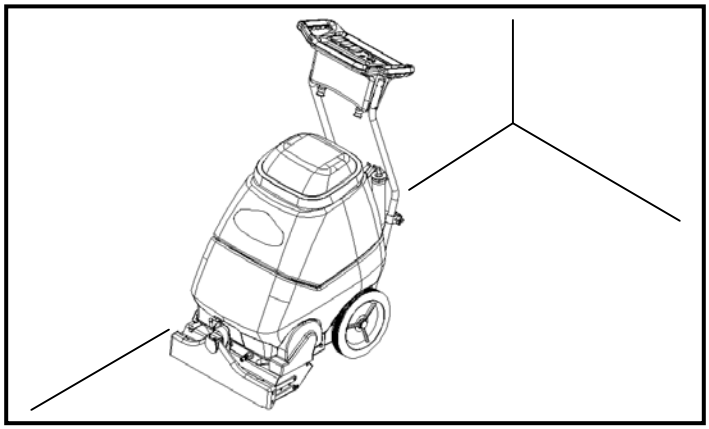
STEP **4**

During operation, observe the following: The Admiral is equipped with clear internal covers to facilitate operator viewing of dirty solution and vacuum air flow.

During operation, observe the vacuum intake cover. Large amounts of water or foam entering the vacuum system can damage the vacuum motor. If you notice either condition, **shut down the machine immediately**. Empty recovery tank and/or add defoamer to recovery tank.

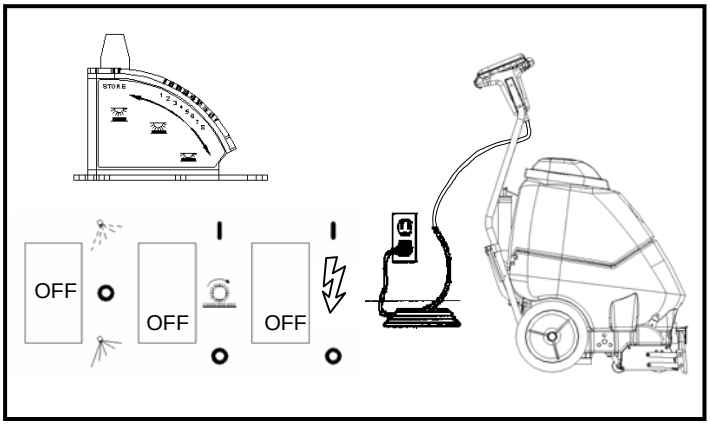
Use right side of machine for cleaning against walls.

STEP **5**



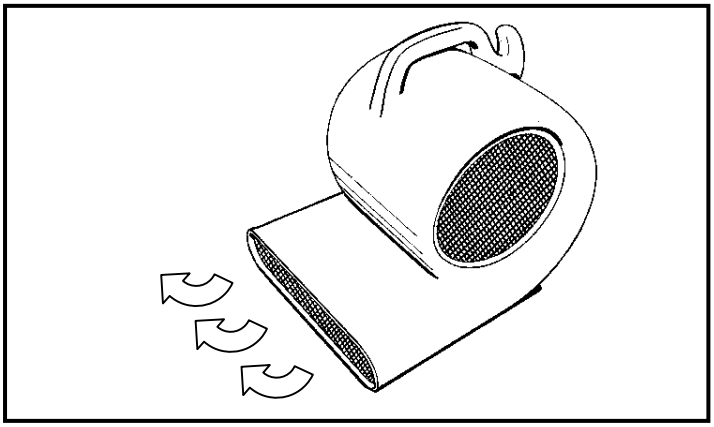
After cleaning, turn off all controls, return brush to storage position and carefully unplug machine.

STEP **6**



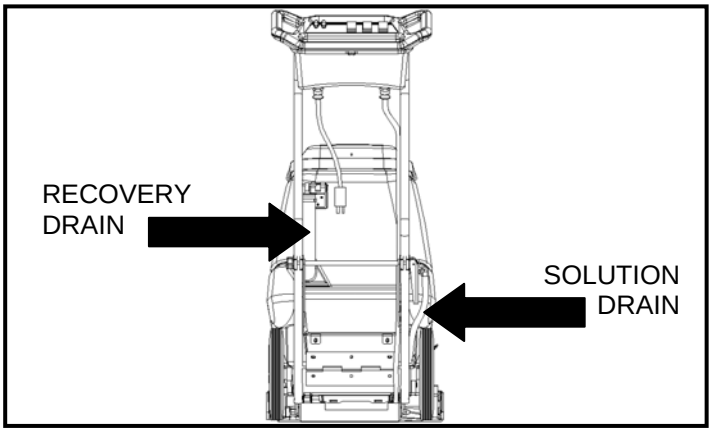
To speed drying, use a Windblower™ fan.

STEP **7**

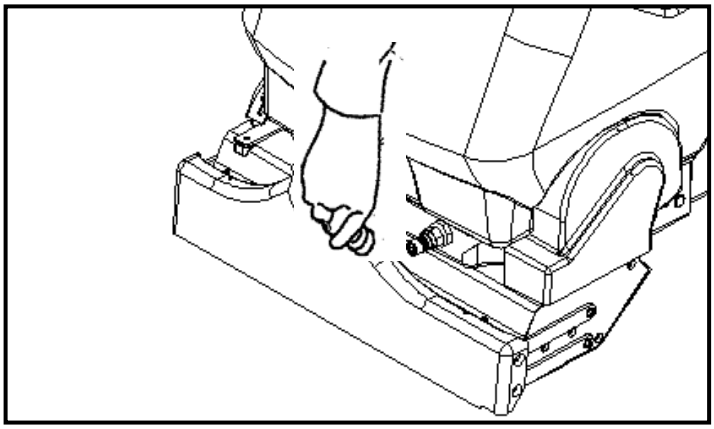


Empty recovery tank by releasing dump hose. Use a hose with cold water to clean out the recovery tank. Also drain solution tank after each use.

STEP **8**



ACCESSORY TOOL USAGE

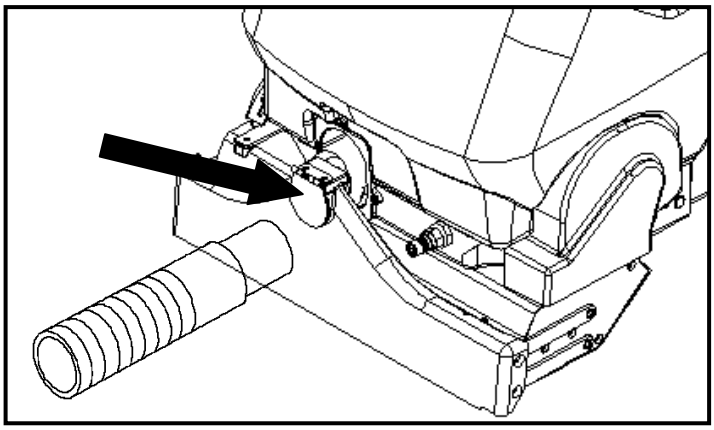


STEP **1**

Use only one of the following acceptable accessory tools.

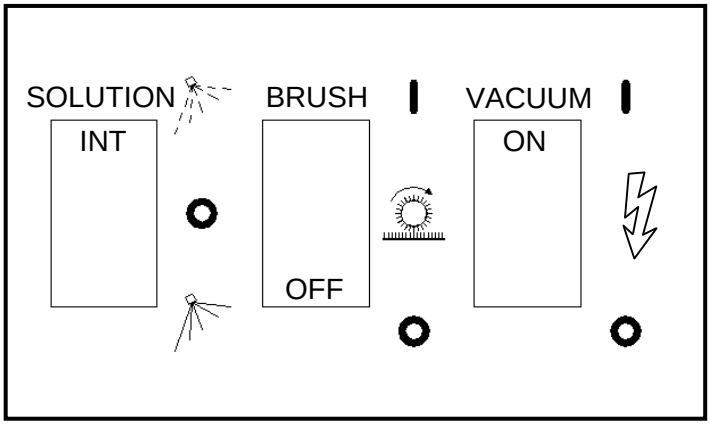
86000020 – PRV NO. HT
86000000 – PRV NO. DDH
86041150 – PRV NO. DH
86031540 – PRV NO. 39504
86000610 – PRV NO. 89227
86000600 – PRV NO. 89226

Pull back collar and insert over machine mounted fitting, then release collar to lock into place.



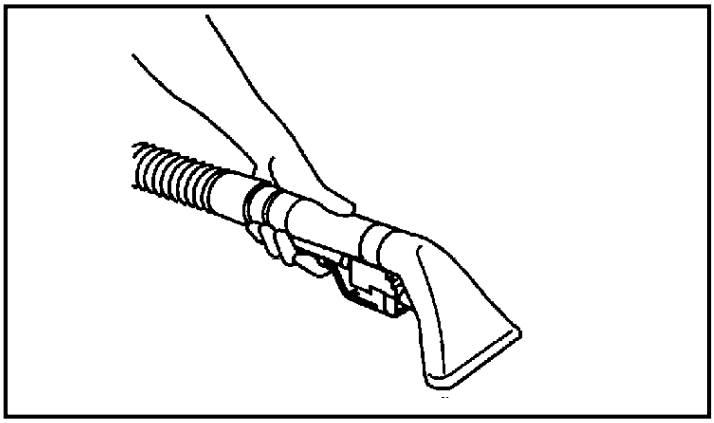
STEP **2**

Lift door on front of vacuum shoe and insert 1 ½ inch hose cuff into hole.



STEP **3**

Turn on vacuum motor switch and set solution switch to intermittent position.
Note: *Be sure brush switch is in off position and brush is in storage position.*



STEP **4**

Squeeze handle on accessory tool to begin cleaning.

TROUBLESHOOTING CHART

PROBLEM	*CAUSE*	*SOLUTION*
No Power, Nothing Runs	1. Is the cord plugged in. 2. Circuit breaker tripped in building. 3. Faulty switch. 4. Faulty power cord or pigtail.	1. Plug in cord. 2. Reset breaker 3. Call for service. 4. Call for service.
Vacuum Motor Will Not Run	1.Vacuum circuit breaker tripped. 2.Faulty main vacuum switch. 3.Loose wiring. 4.Faulty vac motor.	1.Reset breaker 2.Call for service. 3.Call for service. 4.Call for service.
Vacuum Motor Runs But Suction Is Poor	1.Debris lodged in vac shoe. 2.Dome gasket defective or missing. 3.Vacuum hose cracked or hose cuff loose. 4.Recovery tank full / float ball stuck in the up position.	1.Remove debris from vac shoe. 2.Replace as necessary. 3.Replace or repair as necessary. 4.Turn off vac motor. Drain and rinse recovery tank.
Poor Or No Water Flow (Carpet Is Streaky)	1.Main pump switch off. 2.Jets clogged or missing. 3.Solution filter clogged. 4.Faulty solenoid.	1. Turn on. 2.Clean using a vinegar /water solution or replace. 3.Drain solution tank and clean solution filter. 4.Call for service.
Brush Does Not Spin	1.Brush switch off. 2.Brush circuit breaker tripped 3.Brush belt broken. 4.Faulty brush motor.	1.Turn on brush switch. 2.Reset circuit breaker. 3.Replace as necessary. 4.Call for service.

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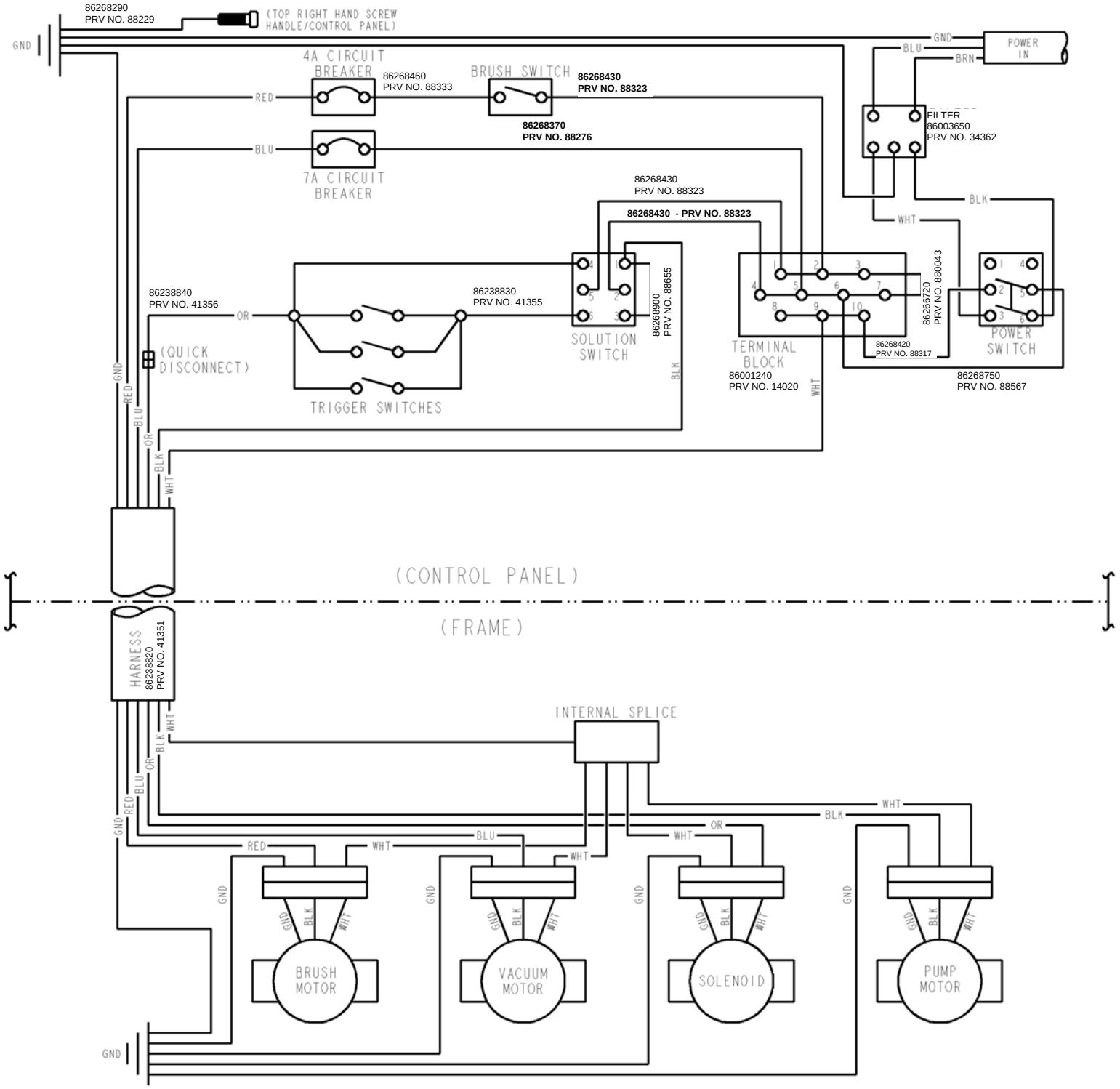

86268290
PRV NO. 88229
(TOP RIGHT HAND SCREW HANDLE/CONTROL PANEL)
GND
4A CIRCUIT BREAKER
86268460
PRV NO. 88333
BRUSH SWITCH
86268430
PRV NO. 88323
86268370
PRV NO. 88276
RED
BLU
7A CIRCUIT BREAKER
GND
BLU
BRN
POWER IN
FILTER
86003650
PRV NO. 34362
86268430
PRV NO. 88323
86268430 - PRV NO. 88323
BLK
WHT
86238840
PRV NO. 41356
OR
86238830
PRV NO. 41355
(QUICK DISCONNECT)
TRIGGER SWITCHES
SOLUTION SWITCH
86268900
PRV NO. 88655
TERMINAL BLOCK
86001240
PRV NO. 14020
86266720
PRV NO. 880043
86268420
PRV NO. 88317
POWER SWITCH
86268750
PRV NO. 88567
(CONTROL PANEL)
(FRAME)
HARNESS
86238820
PRV NO. 41351
INTERNAL SPLICE
BRUSH MOTOR
VACUUM MOTOR
SOLENOID
PUMP MOTOR

MAINTENANCE

PERIODIC MAINTENANCE

Twice a month, flush a white vinegar solution (One quart vinegar to two gallons of water) or anti-browning solution (mixed as directed) through the extractor. This will prevent build-up of alkaline residue in the system. If spray jets become clogged, remove the spray tips, wash them thoroughly, and blow-dry.

NOTE: *Do not use pins, wire, etc. to clean nozzles as this could destroy spray pattern.*

Periodically inspect all hoses, electrical cables and connections on your machine. Frayed or cracked hoses should be repaired or replaced to eliminate vacuum or solution pressure loss. If the cable insulation is broken or frayed, repair or replace it immediately. Don't take chances with electrical fire or shock.

DAILY / REGULAR MAINTENANCE

Before making any adjustments or repairs to the machine, disconnect the power cord from electrical source.

1. Empty unused cleaning solution from the solution tank.
2. Inspect and clean filter screen in solution tank.
3. Flush pumping system with 4 or 7 liters of clean, hot water.
4. After each use, rinse tank with fresh water. Periodically inspect the recovery tank and decontaminate if necessary, using a Hospital Grade Virucide or a 1-10 bleach to water solution. Waste water should be disposed of properly.
5. Check for and remove any lint or debris around vac shoe.
6. Check spray jets for full spray pattern.
7. Remove lint and dirt build-up from brush and housing.
   NOTE: Brush removal.
   A. To remove brush, grab and pull brush out from end opposite drive belt (operator's right). Remove other end from brush driver.
   B. To install brush, line up slots in brush core with pin in driver on drive belt side (operator's left) and push brush onto driver. Then snap bearing end (opposite end) of brush into retaining clip.
8. Check cooling air screen (located on frame behind left wheel) for lint or debris.
9. Check float and shut-off screen and clean as necessary.

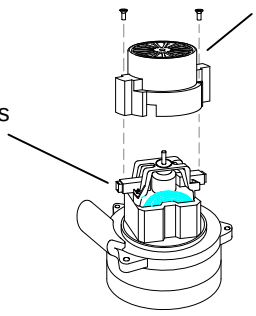
NOTE: *Always store machine with brush in "Store" position.*

⚠ WARNING: ONLY QUALIFIED MAINTENANCE PERSONNEL ARE TO PERFORM THE FOLLOWING REPAIRS.

VACUUM MOTOR REPLACEMENT

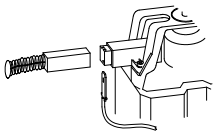
1. Turn off all switches and unplug machine.
2. Remove recovery tank.
3. Remove the (2) screws that fasten the solution tank to the frame, and tilt tank back to expose the inside of the frame.
4. Locate the vacuum motor wires and disconnect at the connector. Close the solution tank.
5. Remove the (6) screws holding the vacuum motor cover (p/n 86003080 – PRV NO. 27809) to the solution tank.
6. Remove the vacuum motor.
7. Reverse process to install vacuum motor.

Vacuum Motor Carbon Brushes Replacement (Windsor)

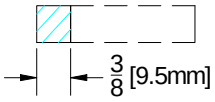


WARNING: The green ground wire must be attached for safe operation. See wiring diagram.

If armature commutator is grooved, extremely pitted or not concentric, the motor will need to be replaced or sent to a qualified service center.

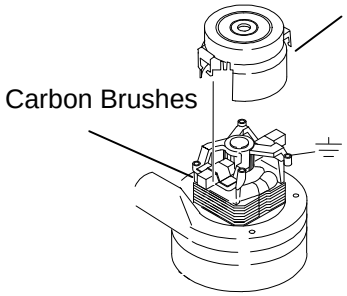


Important:
These brushes wear quicker as the length shortens due to increased heat. Spring inside brush housing will damage motor if brushes are allowed to wear away completely.



Periodically check the length of the carbon brushes. Replace both carbon brushes when either is less than 3/8" (9.5mm) long.

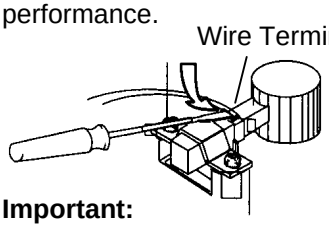
Vac Motor Carbon Brushes Replacement (Ametek)

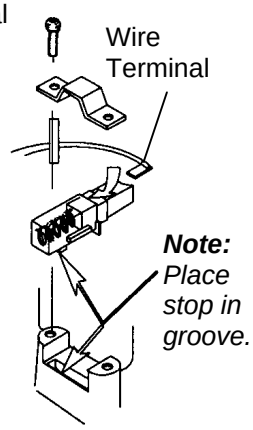


WARNING: The green ground wire must be attached for safe operation.
See wiring diagram.

Note: *When replacing carbon vac motor brushes loosen wire terminal* ***BEFORE*** *removing screws on bracket.*

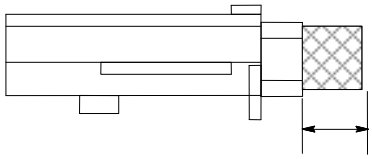
If armature commutator is not concentric, extremely pitted, or grooved the motor will need to be replaced or sent to a qualified service center to restore vac performance.





Important:
These brushes wear quicker as the length shortens due to increased heat.
Spring inside brush housing will damage motor if brushes are allowed to wear away completely.

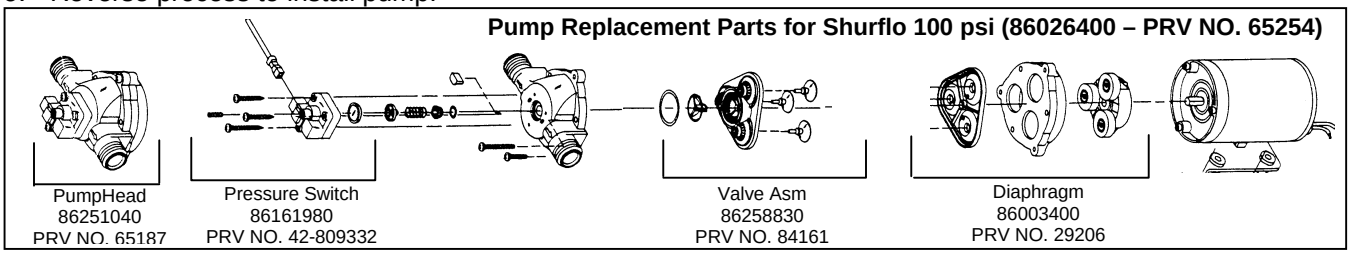
Note: *Place stop in groove.*

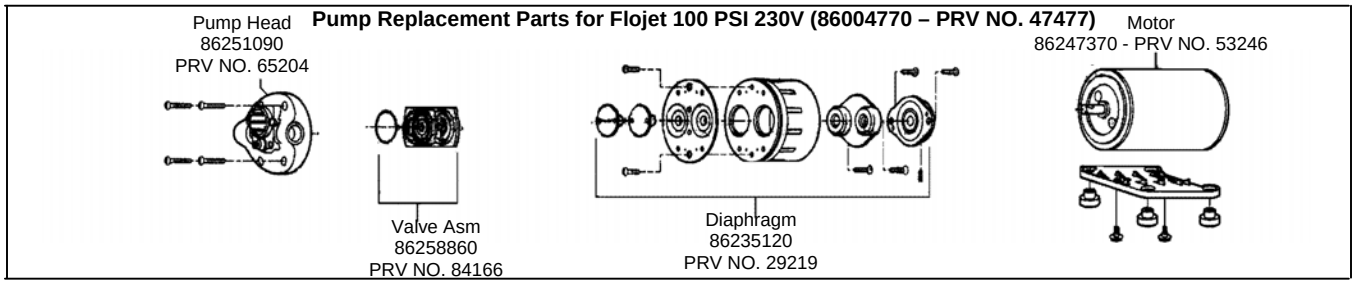


Periodically check the length of the carbon brushes. Replace both carbon brushes when either is less than 3/8" long.

SOLUTION PUMP REPLACEMENT

1. Turn off all switches and unplug the machine.
2. Remove recovery tank.
3. Remove the (2) screws that fasten the solution tank to the frame, and tilt tank back to expose the inside of the frame.
4. Remove solution hoses from fittings in pump.
5. Remove the (2) screws that fasten the pump to the frame.
6. Reverse process to install pump.





ONLY QUALIFIED MAINTENANCE PERSONNEL ARE TO PERFORM THE FOLLOWING REPAIRS.

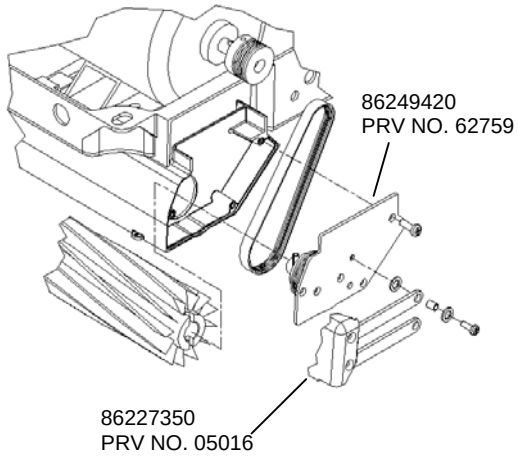
⚠ WARNING:

BELT REPLACEMENT

1. Turn off all switches and unplug machine.
2. Remove recovery tank and brush.
3. Remove the (2) screws that fasten the solution tank to the frame, and tilt tank back to expose the inside of the frame.
4. Loosen the (4) screws that hold the brush motor in place and slide motor forward to release tension in belt.
5. Remove the (2) screws that fasten the vacuum shoe links (p/n 86227350 – PRV NO. 05016) to the brush housing.
6. Remove the (3) screws that fasten the side plate (p/n 86249420 – PRV NO. 62759) to the brush housing to remove belt.

NOTE: *All components associated with driving the brush will come out with the side plate.*

7. Reverse process to install belt.



POWER TYPE

ELECTRICAL: 230-240 V, 7 A, 50 HZ

ELECTRIC VACUUM MOTOR: (1) –3 stage, 1 hp, 99 cfm (2.80 cubic meters/min.) Waterlift – 117" (297cm)

BRUSH: (1) 15" (38.1 cm.)

SOLUTION PUMP: 100 PSI, diaphragm style, internal bypass

SOLUTION CAPACITY: 8 gallons (30.3 ltr)

RECOVERY CAPACITY: 8 gallons (30.3 ltr)

BRUSH SPEED: 1000 rpm

GENERAL DIMENSIONS/WEIGHT

Vacuum shoe: 17" (43.18 cm) cast aluminum with spring loaded down pressure

WHEELS: (2) 10" dia. (25 cm) wheels by 2"

WEIGHT: 92 lbs. (42 kg)

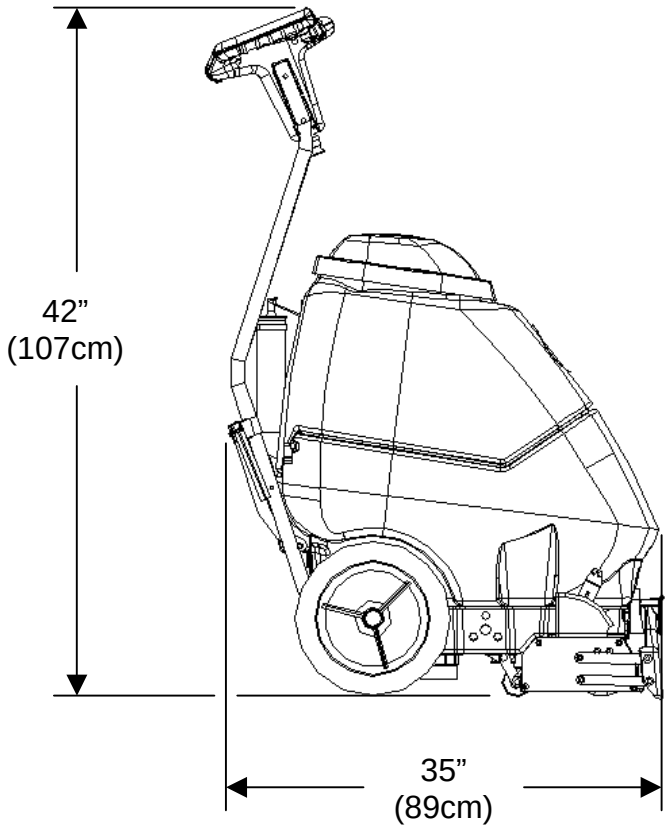
LENGTH: 35" (89 cm)

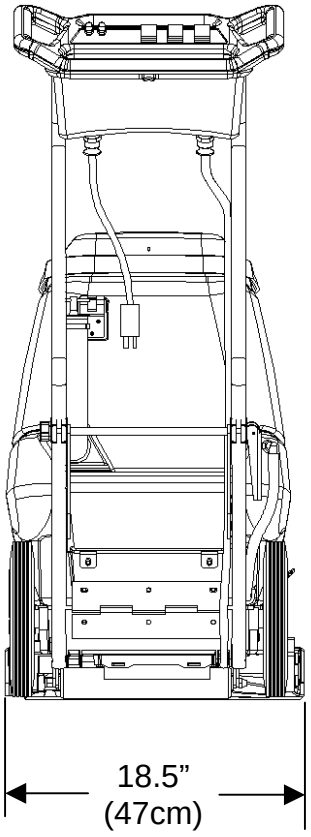
HEIGHT: 42" (107 cm)

WIDTH: 18.5" (47 cm)

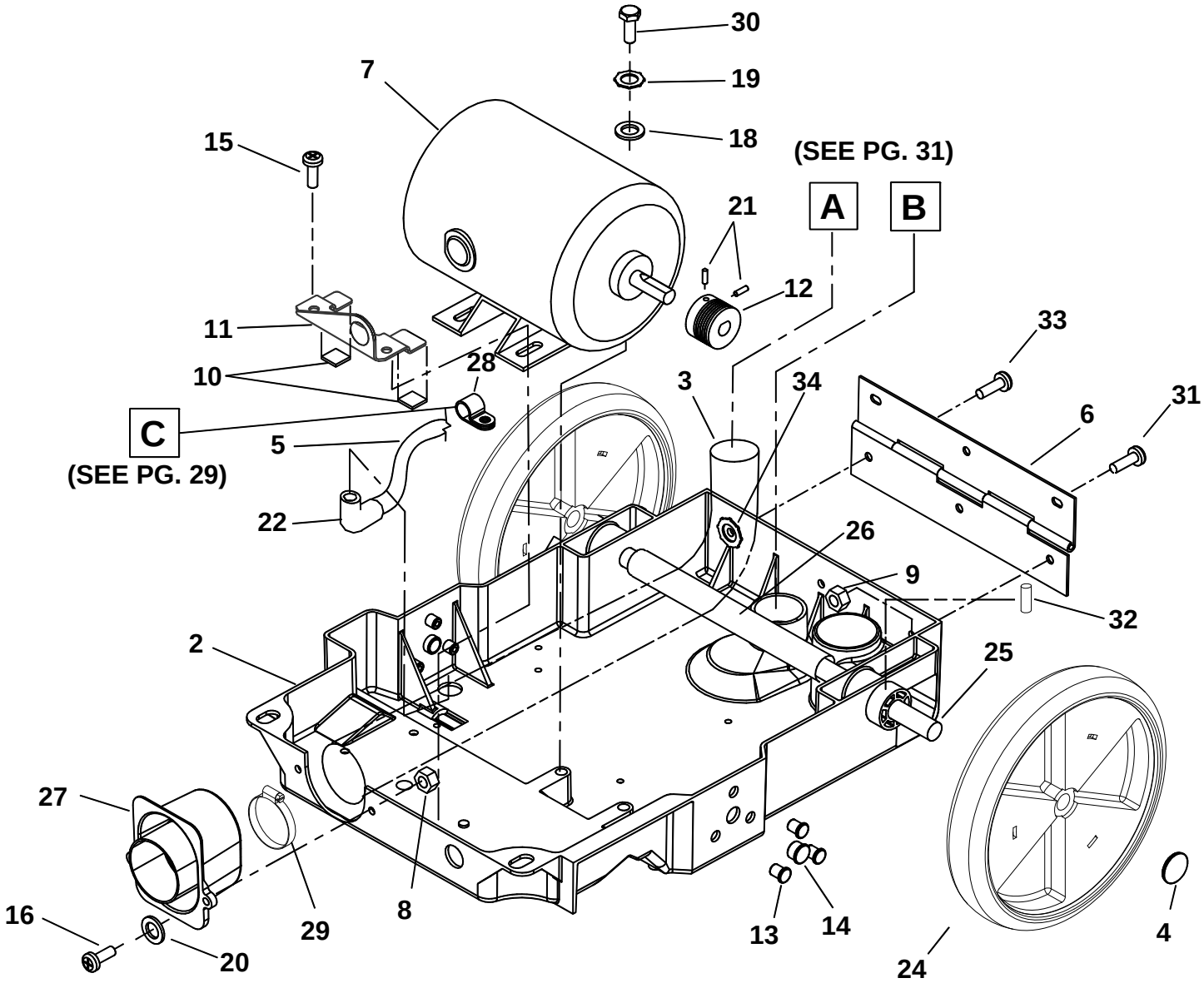
SOLUTION SPRAY: 2 quick change jets.

POWER CABLE: 50' (12.7 m) (1 mm)



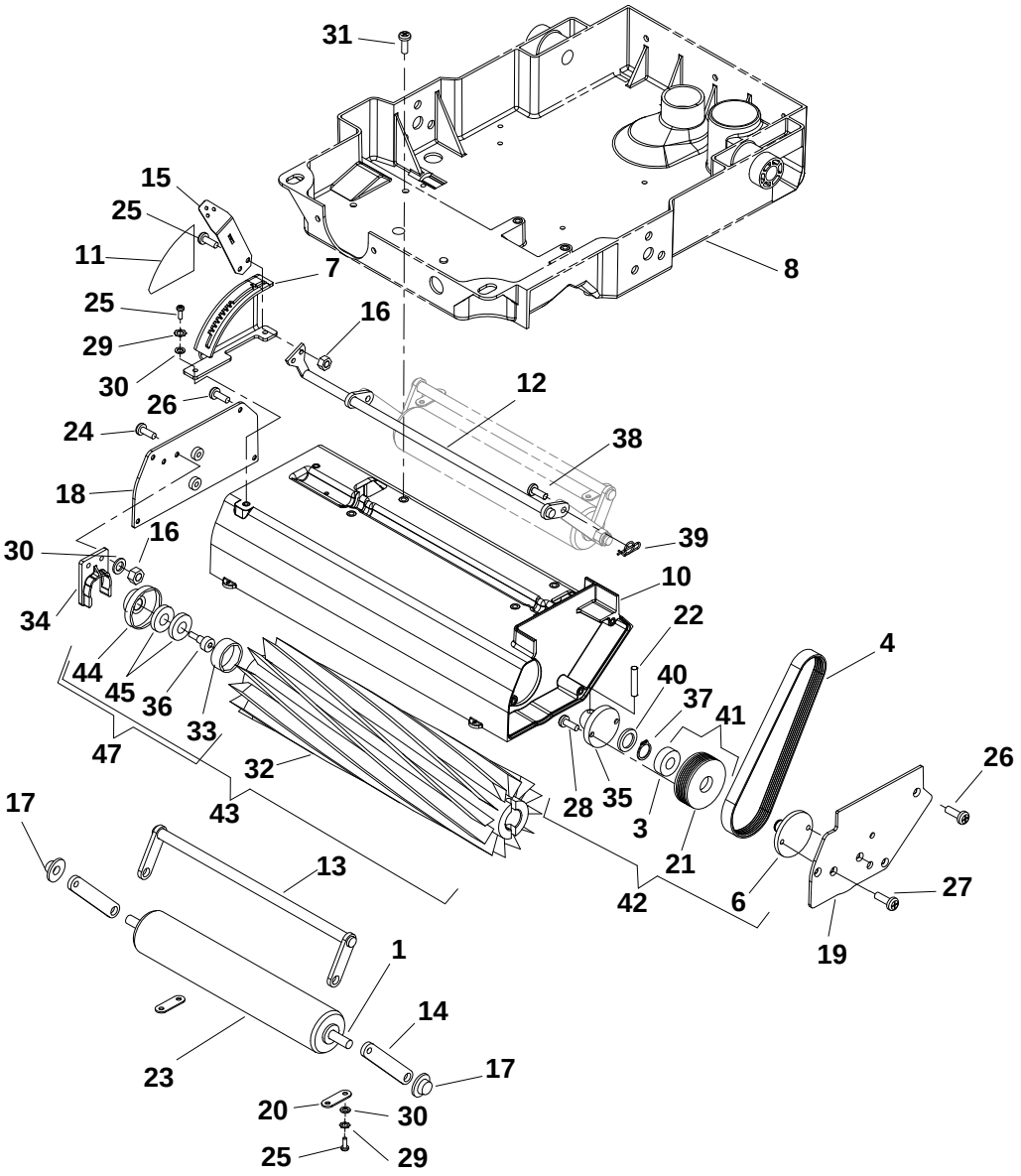


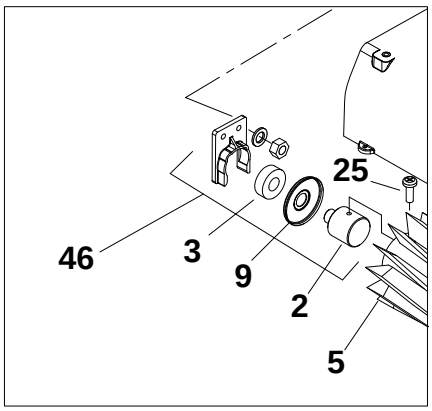
FRAME ASSEMBLY



REF	PART NO.	PRV NO.	QTY	DESCRIPTION	SERIAL NO. FROM	NOTES:
1	-	OPEN	-	-		
2	86003620	34341	1	FRAME, CLP FAMILY		
3	86004340	39528	1	HOSE ASM, 1.5 BLK VAC X 15.5		
4	86001660	41236	2	HUBCAP, 5/8" SHAFT		
5	86238820	41351	1	HARNESS, MAIN, CLP/ADM		
6	86239610	41354	1	HINGE, TANK TO FRAME		
7	86005370	53641	1	MOTOR ASM, BRUSH 230V		
8	86005640	57030	2	NUT, 10-32 HEX NYLOCK		
9	86005810	57245	3	NUT, 1/4-20 HEX NYLOCK SS		
10	86198530	99809	2	FOAM TAPE, 1/8 THK X 3/4 1SDA		
11	86249430	62761	1	PLATE, BRUSH MTR CLAMP	1000045872	
12	86006020	64099	1	PULLEY, 1.4 OD, 6GR, MICRO-V		
13	86250130	66282	6	PLUG, HOLE, .375" BLK		
14	86250140	66288	2	PLUG, 9/16 OD BLK NYLON		
15	86276410	70643	2	SCR, 1/4-20 X 3/8PPHMS	1000045872	
16	86273980	70066	2	SCR, 10-32 X 3/4 PPHMS		
17	-	OPEN	-	-		
18	86010630	87013	2	WASHER, 1/4 ID X 5/8 OD SS		
19	86010660	87025	2	WASHER, 1/4 LOCK EXT STAR SS		
20	86010650	87018	2	WASHER, #10 X 9/16 OD		
21	86006550	70074	2	SET SCR, 10-32 X 1/4 KCP		
22	86256190	73197	1	STRAIN RELIEF, 90 DEGREE		
23	-	OPEN	-	-		
24	86226050	89279	2	WHEEL, 9.75" X 1.5"		
25	86066230	03107	1	AXLE, 5/8 X 17.06L		
26	86134490	99667	10”	HEAT SHRINK, 3/4 ID UL/CSA		
27	86253090	73943	1	SEAL, FRAME/TANK		
28	86002370	20035	1	CLAMP, 7/16 DIA NYLON UL		
29	86233140	20041	1	CLAMP, 2.0" WORM GEAR		
30	86274760	70271	2	SCR, 1/4-20 X 1/2 HHCS PLTD		
31	86006530	70057	2	SCR, 1/4-20 X 1 PPHMS SS		
32	86272160	66052	1	PIN, ROLL 1/8” X 1.0”L		
33	86276610	70697	1	SCR, ¼-20 X 1.25 PPHMS SS		
34	86005710	57105	3	NUT, ¼-20 HEX W/ STAR WASHER		

BRUSH ASSEMBLY

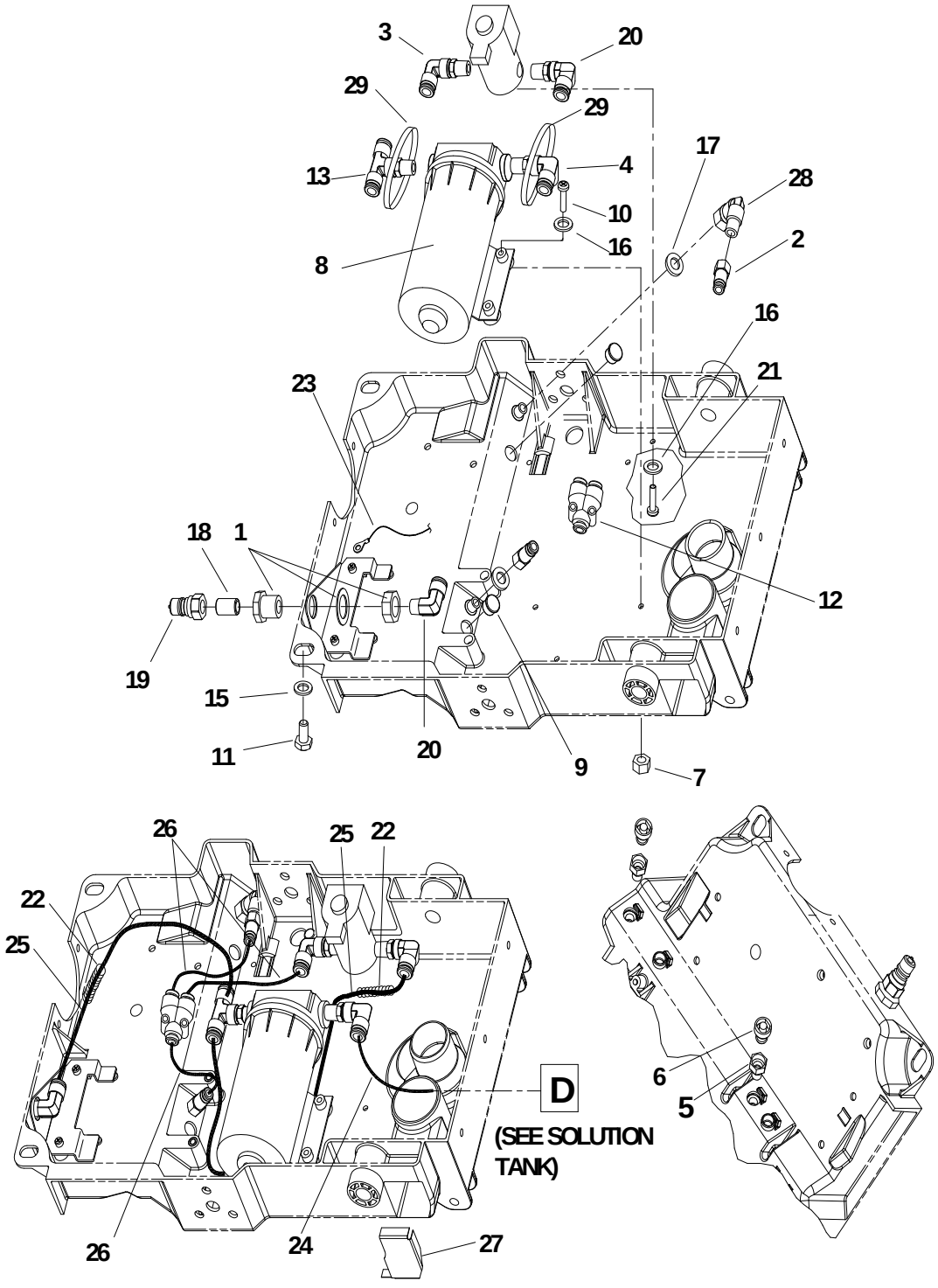




BRUSH ASSEMBLY

REF	PART NO.	PRV NO.	QTY	DESCRIPTION	SERIAL NO. FROM	NOTES:
1	86000730	03110	1	AXLE, ROLLER		
2	86227100	04084	1	ADAPTER, BRUSH BRG.		
3	86000900	09019	2	BEARING, 1.125ODX.500IDX.375		
4	86001100	11045	1	BELT, 180J6 MICRO-V		
5	86001140	12514	1	BRUSH, 15L X 3.38OD		
6	86001300	140343	1	BRKT, BRUSH PULLEY		
7	86001310	140351	1	BRKT, BRUSH HEIGHT		
8	86003620	34341	REF	FRAME, CLP FAMILY		
9	86004060	36192	2	GUARD, THREAD		
10	86004470	41345	1	HOUSING, BRUSH 15"		
11	86004980	50998	1	LABEL, BRUSH HEIGHT		
12	86093080	51311	1	LINKAGE, ASM, BRUSH HEIGHT		
13	86005110	51312	1	LINKAGE ASM, ROLLER SUPPORT		
14	86005120	51314	2	LINK, ROLLER, FRONT		
15	86005130	51317	1	LEVER, HEIGHT ADJUSTMENT		
16	86005640	57030	4	NUT, 10-32 HEX NYLOCK		
17	86005850	57271	2	NUT, 3/8 DIA CAP, TYPE PUSH PLT		
18	86249410	62758	1	PLATE, BRUSH HOUSING RH		
19	86249420	62759	1	PLATE, BRUSH HOUSING LH		
20	86005930	62762	2	PLATE, AXLE RETAINER		
21	86250680	64098	1	PULLEY, 2.2 OD, 6GR, MICRO-V		
22	86006220	66192	1	PIN, ROLL 1/4 X 1.25L		
23	86006430	67411	1	ROLLER, 1.9 DIA X 10.5 LG		
24	86006510	70043	2	SCR, 10-32 X 5/8 PFHMS		
25	86006590	70088	8	SCR, 10-32 X 1/2 PPHMS SS DL		
26	86006650	70177	7	SCR, 10-32 X 1/2 FHMS SS		
27	86006700	70232	2	SCR, 10-32 X 3/8 FHMS SS		
28	86275530	70497	2	SCR, #10-24 X 1/2 SHCS		
29	86010640	87016	4	WASHER, #10 LOCK EXT STAR SS		
30	86010650	87018	6	WASHER, #10 X 9/16 OD		
31	86007030	70675	4	SCR, 1/4-20 X.5/8 THMS PLTD NP		
32	86230620	12524	1	BRUSH 15 L X 3.38 OD G2	1000060649	
33	86251710	67467	1	RING, TOLERANCE 7/8 ID X 1/2 W	1000060649	
34	86003070	27805	1	CLIP, BEARING		
35	86003370	29157	1	DRIVER, BRUSH		
36	86278130	70737	1	SHLDR BOLT, 3/8 OD X 3/8 L SS NP	1000060649	
37	86272770	67094	1	RING, 1/2 EXT. SNAP		
38	86272510	66310	2	PIN, CLEVIS 1/4 X 1/2 PLTD		
39	86008650	80604	2	COTTER, 1/4" RING		
40	86342240	-	1	SPACER, .81 X 1.06 X.125		
41	86006030	64102	1	PULLEY ASM, BRUSH		
42	86003390	29208	1	DRIVER ASM, BRUSH		
43	86001140	12514	1	BRUSH ASM, 15 IN		
44	86227150	05158	1	ADAPTER, BRUSH BRG DIE CAST	1000060649	
45	86228890	09137	2	BEARING, R6 3/8 ID	1000060649	
46	86028010	47383	1	BRUSH BEARING ASM		
47	86004750	47416	REF	KIT, BRNG/ADPTR EXTRCTR		

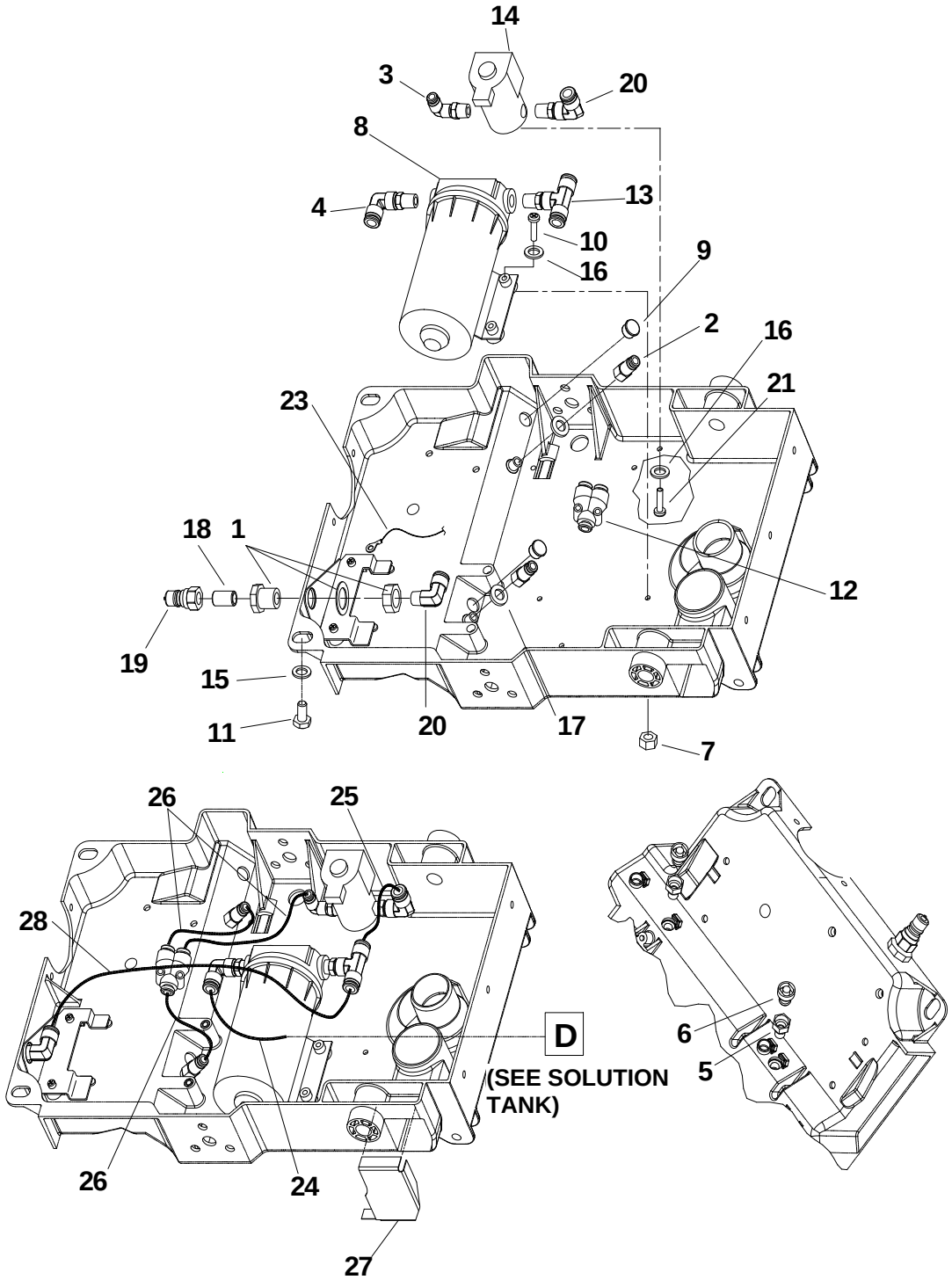
PUMP ASSEMBLY



REF	PART NO.	PRV NO.	QTY	DESCRIPTION	SERIAL NO. FROM	NOTES:
1	86002470	22072	1	COUPLING, 1/4 ANCHOR W/1" HEX		
2	86002480	22090	2	CONNECTOR, 1/8FPT X 1/4 TUBE QC		
3	86003470	31072	1	ELBOW, SWIVEL, 1/4MPTX1/4TUBE		
4	86003490	31074	1	ELBOW, SWIVEL,3/8MPTX3/8TUBE QC		
5	86004570	44067	2	JET BODY, MINI PROMAX BODY		
6	86241680	44073	2	JET, MINI PROMAX 9503		
7	86005640	57030	2	NUT, 10-32 HEX NYLOCK		
8	86026400	65254	1	PUMP ASM, 230V 100PSI W/CONN		
9	86250140	66288	2	PLUG, 9/16 OD BLK NYLON		
10	86274410	70195	2	SCR, 10-32 X 1.25 PPHMS		
11	86273750	70011	2	SCR, 1/4-20 X 5/8 HHCS SS		
12	86003640	34355	1	FITTING,1/4 TUBE,"Y", QC		
13	86008360	78419	1	TEE, 3/8 MPT X 3/8 TUBE, QC		
14	86010570	84165	1	VALVE ASM,SOLENOID CLP FAMILY		
15	86010810	87191	2	WASHER, 1/4"IDX1.0OD. FLAT SS		
16	86010650	87018	4	WASHER, #10 X 9/16 OD		
17	86010820	87192	2	WASHER, 7/16 X 3/4 X .19RUBBER		
18	86005590	56014	1	NIPPLE, 1/4 CLOSE		
19	86005580	56012	1	NIPPLE, 1/4 FPT QD		
20	86003500	31076	2	ELBOW, 1/4 MPT X 3/8 TUBE, QC		
21	86006590	70088	2	SCR, 10-32 X 1/2 PPHMS SS		
22	86279930	29277	2	DUCT, 1/2 ID SPLT FLX X 16”		
23	86267400	880278	1	WIRE, 22" GRN/18 76011 X 76011		
24	86282340	39720	1	HOSE, 3/8 OD X 1/4 ID URTHN X 22”		
25	86282350	39721	2	HOSE, 3/8 ID NYLON YLW X 17”		
26	86281900	39531	3	HOSE, 1/4 ID NYLON YLW X 5”		
27	86253020	73963	1	SCREEN, INTAKE		
28	86197400	31022	1	ELBOW, 1/8NPT STREET		
29	86227950	140387	2	BANDS, RUBBER		

PUMP ASSEMBLY

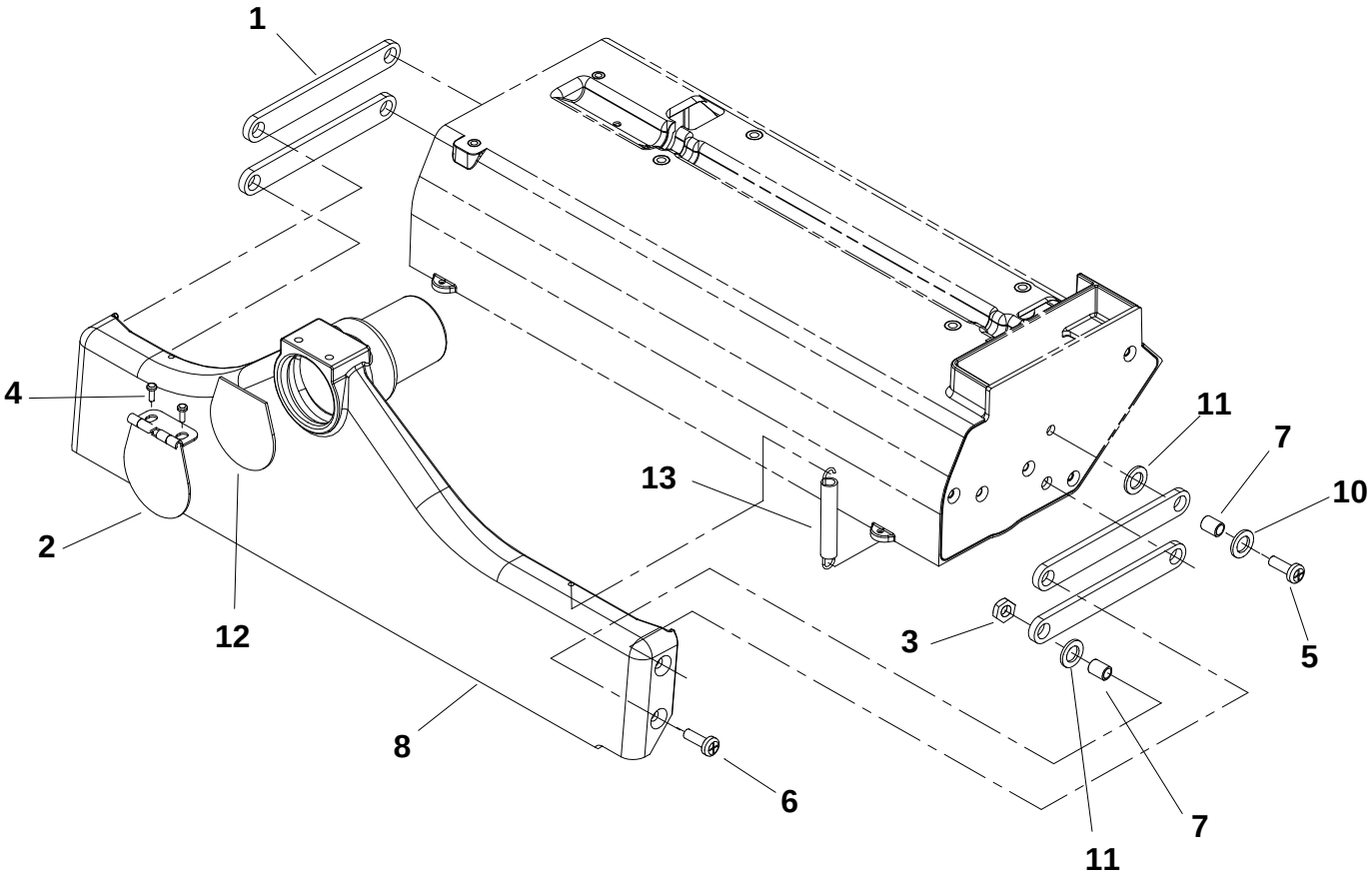
PRIOR TO S/N 1000153482



PRIOR TO S/N 10000153482

REF	PART NO.	PRV NO.	QTY	DESCRIPTION	SERIAL NO. FROM	NOTES:
1	86002470	22072	1	COUPLING, 1/4 ANCHOR W/1" HEX		
2	86002480	22090	2	CONNECTOR, 1/8FPT X 1/4 TUBEQC		
3	86003470	31072	1	ELBOW, SWIVEL, 1/4MPTX1/4TUBE		
4	86003490	31074	1	ELBOW, SWIVEL,3/8MPTX3/8TUBEQC		
5	86004570	44067	2	JET BODY, MINI PROMAX BODY		
6	86241680	44073	2	JET, MINI PROMAX 9503	100003082	
7	86005640	57030	2	NUT, 10-32 HEX NYLOCK		
8	86004770	47477	1	Kit, 230V FLOJET PUMP REPLMNT		
9	86250140	66288	2	PLUG, 9/16 OD BLK NYLON		
10	86006830	70386	2	SCR, 10-32 X 1.0 PPHMS		
11	86273750	70011	2	SCR, 1/4-20 X 5/8 HHCS SS		
12	86003640	34355	1	FITTING,1/4 TUBE,"Y", QC		
13	86008360	78419	1	TEE, 3/8 MPT X 3/8 TUBE, QC		
14	86010570	84165	1	VALVE ASM,SOLENOID 230V		
15	86010810	87191	2	WASHER, 1/4"IDX1.0OD. FLAT SS		
16	86010650	87018	4	WASHER, #10 X 9/16 OD		
17	86010820	87192	2	WASHER, 7/16 X 3/4 X .19RUBBER		
18	86005590	56014	1	NIPPLE, 1/4 CLOSE		
19	86005580	56012	1	NIPPLE, 1/4 FPT QD		
20	86003500	31076	2	ELBOW, 1/4 MPT X 3/8 TUBE, QC		
21	86006590	70088	2	SCR, 10-32 X 1/2 PPHMS SS		
22	-	OPEN	-	-		
23	86267400	880278	1	WIRE, 22" GRN/18 76011 X 76011	1000045872	
24	86281890	39529	1	HOSE, 3/8 URETHANE X 29"		
25	86004350	39530	1	HOSE, 3/8 NYLON X 6"		
26	86281900	39531	3	HOSE, 1/4 ID NYLON X 6"		
27	86253020	73963	1	SCREEN, INTAKE		
28	86285760	39551	1	HOSE, 3/8 NYLON X 29”		

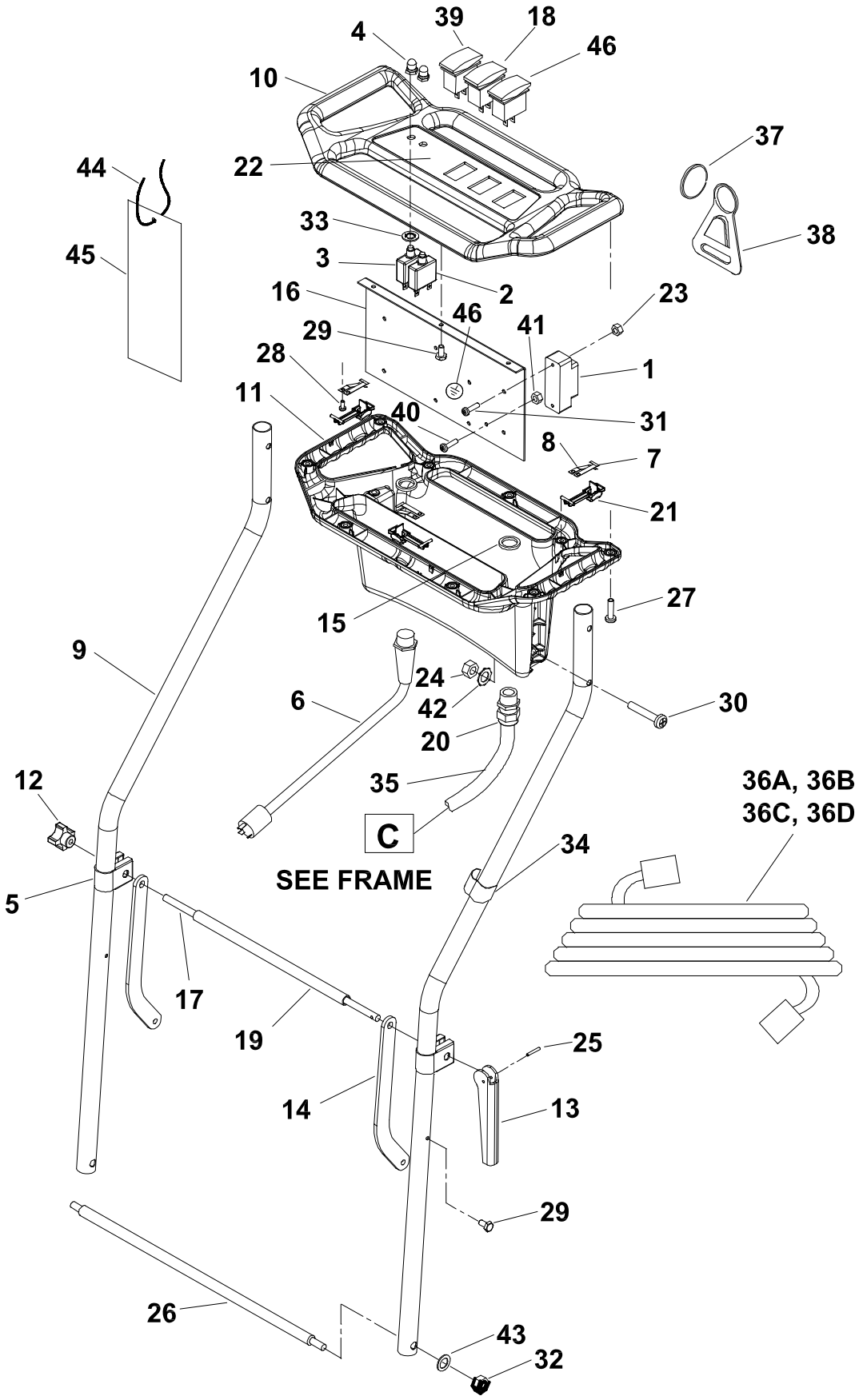
VACUUM SHOE ASSEMBLY



VACUUM SHOE ASSEMBLY

REF	PART NO.	PRV NO.	QTY	DESCRIPTION	SERIAL NO. FROM	NOTES:
1	86227350	05016	4	ARM, VAC SHOE PARALLEL		
2	86234760	27674	1	COVER, ACCESSORY PORT		
3	86005810	57245	4	NUT, 1/4-20 HEX NYLOCK SS		
4	86006790	70351	2	SCR, 10-32 X 3/8 HHTR W/STAR		
5	86275120	70360	4	SCR, 1/4-20 X.75 PPHMS PHIL		
6	86006840	70390	4	SCR, 1/4-20 X 1 FHCS PLTD		
7	86008130	73958	8	SPACER, 3/8ODX.058WX.2814,CRS		
8	86010620	85039	1	VAC SHOE, 15"		
9	-	OPEN	-	-		
10	86010630	87013	4	WASHER, 1/4 ID X 5/8 OD SS		
11	86010700	87074	8	WASHER, WAVE 3/8ID X3/4D X.125		
12	86003780	35171	1	GASKET, ACCESSORY PORT		
13	86008120	73955	2	SPRING, EXT .38D X2.75L X.055W		

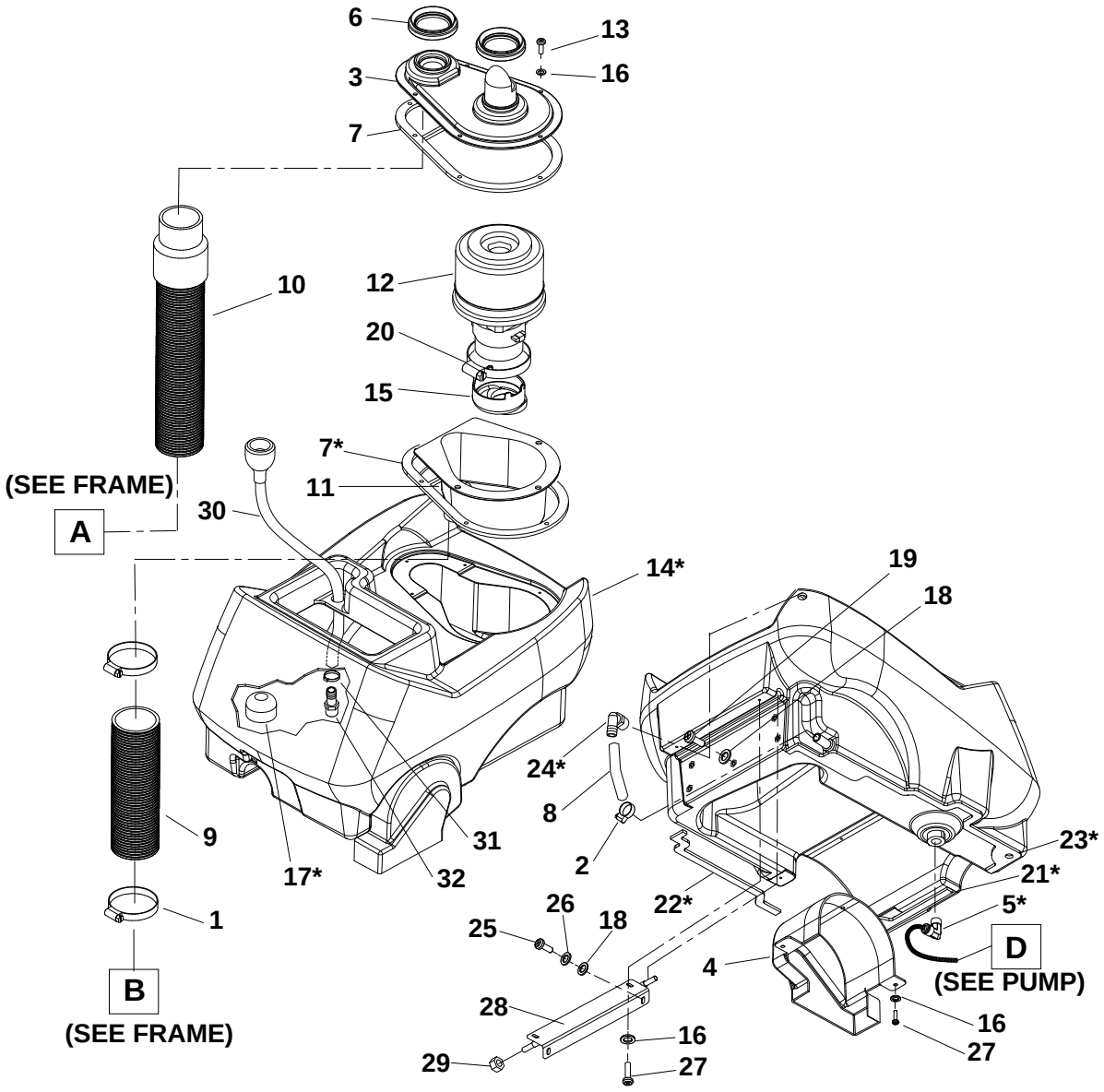
CONTROL PANEL ASSEMBLY



CONTROL PANEL ASSEMBLY

REF	PART NO.	PRV NO.	QTY	DESCRIPTION	SERIAL NO. FROM	NOTES:
1	86001240	14020	1	TERMINAL BLOCK, 115V (3-4-3)		
2	86230110	14312	1	BREAKER, 7A 250VAC 50VDC		
3	86002020	14949	1	BREAKER, 4A CIRCUIT		
4	86002010	14942	2	BOOT, 3/8 CIRCUIT BREAKER		
5	86233240	20084	2	CLAMP, HANDLE LOCK		
6	86261000	23671	1	CORD ASM		
7	86003130	27823	3	CONTACT, ELECTRICAL, FLAT		
8	86003140	27824	3	CONTACT, ELECTRICAL, BENT		
9	86076550	38283	2	HANDLE, ADM8		
10	86004100	38286	1	HANDLE, CONTROL PANEL FRONT		
11	86004110	38287	1	HANDLE, CONTROL PANEL REAR		
12	86004790	48012	1	KNOB, 5/16-18 4 PRONG		
13	86246300	51039	1	LEVER, HANDLE CLAMP		
14	86246650	51313	2	LINK, HANDLE ADJ.		
15	86005670	57040	2	NUT, 1/2 NPT CONDUIT		
16	86081530	62766	1	PLATE, CONTROL PANEL, CLP/ADM		
17	86264270	67073	1	ROD, HANDLE LOCK		
18	86007140	72130	2	SWITCH, SPST 2-POSITION ROCKER		
19	86087410	73180	1	SPACER, .50 ODX.058WX9.84L CRS		
20	86256180	73195	1	STRAIN RELIEF, 1/2 NPT (.48ID)		
21	86008350	78418	3	TRIGGER, SWITCH		
22	86245950	50996	1	LABEL, CONTROL PANEL, CLP/ADM		
23	86005760	57116	2	NUT, 6-32 W/STAR WASHER PLTD		
24	86005810	57245	4	NUT, 1/4-20 HEX NYLOCK SS		
25	86272190	66068	1	PIN, ROLL 1/8" X 5/8"L		
26	86227650	03109	1	AXLE, HANDLE ADM8		
27	86006870	70406	9	SCR, #10 X 3/4 PPHST TYPE B		
28	86006620	70127	6	SCR, 6-32 X 1/4 PPHMS SS		
29	86006790	70351	5	SCR, 10-32 X 3/8 HHTR W/STAR		
30	86274150	70105	4	SCR, 1/4-20 X 1.75 HHCS		
31	86006710	70235	2	SCR, 6-32 X 1.0 PH BLK NYLON		
32	86005750	57113	2	NUT, 5/16-18 HEX NYLOCK		
33	86010750	87100	2	WASHER, 3/8 ID INT.LOCK THIN		
34	86198480	27371	2	CLIP, POWER CORD		
35	86238820	41351	REF	HARNESS, MAIN CLP/ADM		
36A	86002610	23683	1	CORD ASM, 230V BRITIAN 50FT		
36B	86002600	23682	1	CORD ASM, 230V EURO 50FT		
36C	86031550	23681	1	CORD ASM, 230V SWISS 50FT		
36D	86260960	23521	1	CORD ASM, 230V AUST 50 FT		
37	86272840	67147	1	RING, 2" DIA SPLIT		
38	86256170	73169	1	STRAIN RELIEF, CORD HOOK		
39	86007200	72162	1	SWITCH, DPDT3-POSITION ROCKER		
40	86006830	70386	1	SCR, 10-32 X 1” PPHMS		
41	86005700	57104	3	NUT, 10-32 W/STAR WASHER PLTD		
42	86010660	87025	1	WASHER, 1/4 LOCK EXT STAR SS		
43	86010670	87029	2	WASHER, 5/16 FLAT SS		
44	86002870	27417	1	CORD, 99807 1/8 X 12"		
45	86232290	500017	1	CARD, INSTRUCTION ADM8		
46	86007130	72128	1	SWITCH, DPDT, 2 POSITION ROCKER		
47	86245040	50279	1	LABEL, GROUND SYMBOL		

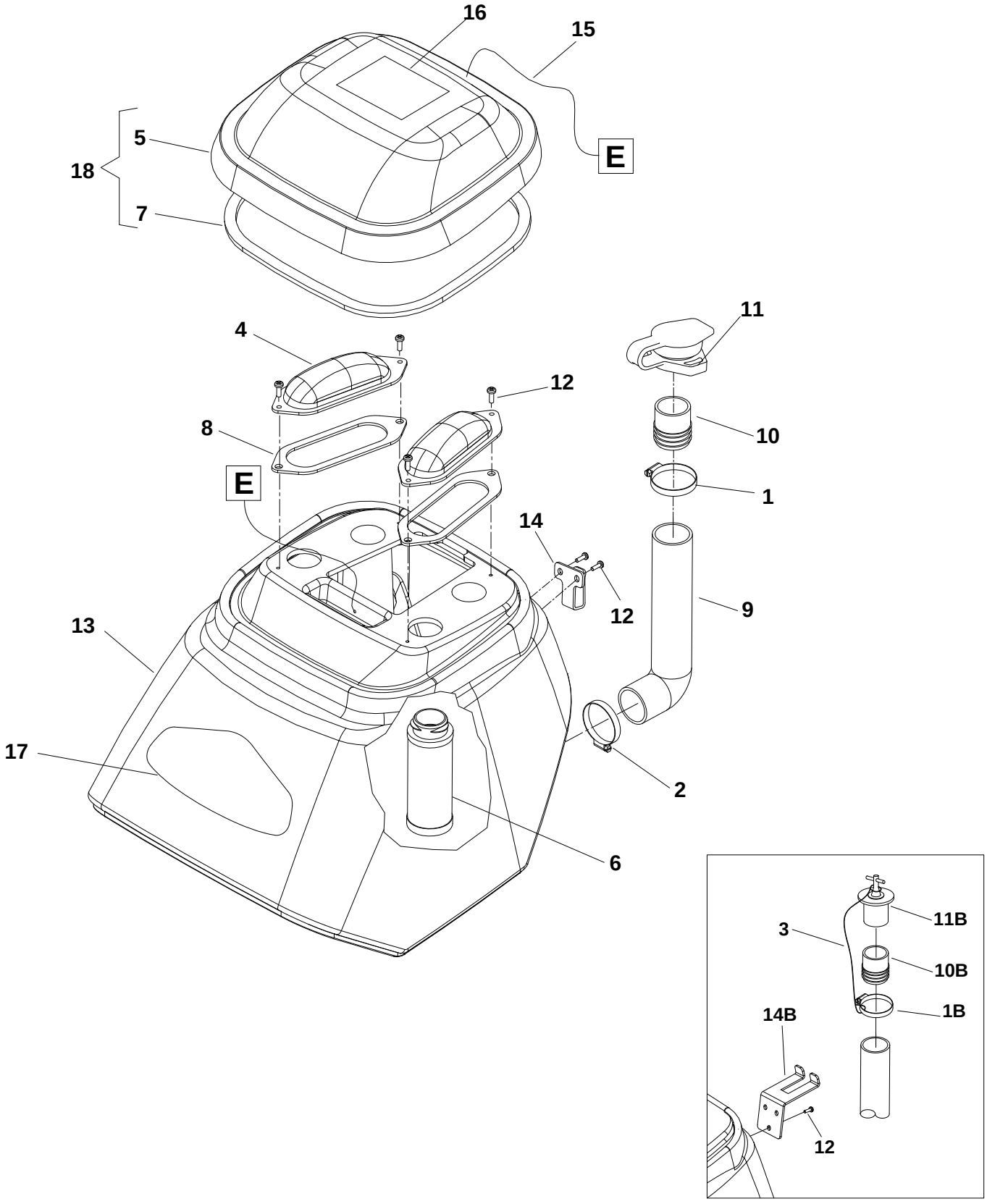
SOLUTION TANK ASSEMBLY



SOLUTION TANK ASSEMBLY

REF	PART NO.	PRV NO.	QTY	DESCRIPTION	SERIAL NO. FROM	NOTES:
1	86233140	20041	2	CLAMP, 2.0" WORM GEAR		
2	86233150	20042	1	CLAMP, 3/8 HOSE (D-SLOT)		
3	86003080	27809	1	COVER, VAC MOTOR		
4	86003090	27810	1	COVER, BELT		
5	86235500	31081	1	ELBOW, 3/8 MPT X 3/8 TUBE, PLASTIC		
6	86003790	35175	2	GASKET, TANK TO VAC COVER		
7	86003920	35231	2	GASKET, VAC COVER (CLP FAMILY)		
8	86281880	39526	1	HOSE,1/2 CLEAR X 12		
9	86240090	39527	1	HOSE, 1.5 BLK VAC X 3.0		
10	86004340	39528	REF	HOSE ASM, 1.5 BLK VAC X 15.5		
11	86240980	41348	1	HOUSING, VAC MOTOR		
12	86005420	53791	1	VAC MOTOR ASM, CLP FAMILY		
13	86275690	70525	6	SCR, #10 X 1.0 PPHST TYPE B		
14	86032260	75259	1	TANK, ADM SOLUTION		
15	86259060	85037	1	VENT, COOLING AIR SMALL		
16	86010650	87018	10	WASHER, #10 X 9/16 OD		
17	86007970	73864	1	STRAINER, 3/8 IN. NPT 60 MESH		
18	86010630	87013	5	WASHER, 1/4 ID X 5/8 OD SS		
19	86006580	70085	3	SCR, 1/4-20 X 1/2 PPHMS SS DL		
20	86233260	20092	1	CLAMP, 3.5" WORM GEAR		
21	86003950	35236	1	GASKET, TANK, L-F		
22	86003960	35237	1	GASKET, TANK, L-R		
23	86003970	35238	1	GASKET, TANK, RH		
24	86197940	40027	1	HOSEBARB, 3/8MPTX1/2 90D DL		
25	86275120	70360	2	SCR, 1/4-20 X.75 PPHMS PHIL		
26	86010660	87025	2	WASHER, 1/4 LOCK EXT STAR SS		
27	86006600	70114	4	SCR, #10 X 3/4 PPHST TYPE B		
28	86095840	89183	1	WELDMENT, HANDLE PIVOT ADM8		
29	86005810	57245	2	NUT, 1/4-20 HEX NYLOCK SS		
30	86260690	02130	1	HOSE ASSY- FILL HOSE		
31	86233150	20042	1	CLAMP, 3/8 HOSE (D-SLOT)		
32	86197920	40023	1	HOSEBARB, 1/2MPT X 3/8 DL		
33	86026670	75277	1	TANK ASM, SOLUTION ADM8	*	ITEMS INCLUDED

RECOVERY TANK ASSEMBLY



RECOVERY TANK ASSEMBLY

REF	PART NO.	PRV NO.	QTY	DESCRIPTION	SERIAL NO. FROM	NOTES:
1A	86002400	20064	1	CLAMP, 2.0" WORM GEAR X .312	1000084015	
1B	86002350	20002	1	CLAMP, 2.0” NYLON RATCHET		
2	86233140	20041	1	CLAMP, 2.0" WORM GEAR		
3	86008400	78499	1	TETHER, DRAIN PLUG		
4	86003110	27816	2	COVER, REC. TANK		
5	86235280	28060	1	DOME, CLP FAMILY		
6	86003630	34351	1	FLOAT SHUT-OFF		
7	86003910	35230	1	GASKET, DOME		
8	86003930	35232	2	GASKET, PORT COVER		
9	86004200	39353	1	HOSE, 1.5 X 12.0 DRAIN		
10A	86004510	41391	1	HOSE, INSERT	1000084015	
10B	86004450	40019	1	HOSEBARB, 1.5 DOUBLE MCHD		
11A	86004500	41390	1	HOSE, CAP	1000084015	
11B	86006240	66227	1	PLUG, DRAIN HOSE		
12	86006600	70114	6	SCR, #10 X 3/4 PPHST TYPE B		
13	86032270	75260	1	TANK, ADM RECOVERY		
14A	86001370	140408	1	BRKT, HOSE HOOK	1000084015	
14B	86001190	140133	1	BRKT, RECOVERY HOSE MTG		
15	86002870	27417	1	CORD, 99807 1/8 X 12"		
16	86242230	500009	1	LABEL, WARNING		
17	86245930	50994	1	LABEL, ADMIRAL MAIN		
18	86003330	28061	1	DOME ASM, CLP FAM		

SUGGESTED SPARE PARTS

PART NO.	PRV NO.	DESCRIPTION	SERIAL NO. FROM	NOTES:
86001140	12514	BRUSH, 15L X 3.38OD		
86001100	11045	BELT, 180J6 MICRO-V		
86000900	09019	BEARING, 1.125ODX.500IDX.375		
86004570	44067	JET BODY, MINI PROMAX BODY		
86241680	44073	JET, MINI PROMAX 9503		
86004770	47477	KIT, 230V FLOJET PUMP REPLACEMENT		
86010570	84165	VALVE ASM		
86003780	35171	GASKET, ACCESSORY PORT		
86230110	14312	BREAKER, 7A		
86002020	14949	BREAKER, 4A		
86007140	72130	SWITCH, SPST 2-POSITION ROCKER		
86007200	72162	SWITCH, DPDT3-POSITION ROCKER		
86005420	53791	VAC MOTOR ASM, 230V		
86007970	73864	STRAINER, 3/8 IN. NPT 60 MESH		
86230760	140216	BRUSH SET, 230V VAC AMETEK		
86135330	140688	BRUSH SET, 230V VAC MTR WINDSOR	*	
86003330	28061	DOME ASM, CLP FAMILY		
86003630	34351	FLOAT SHUT-OFF		
86006240	66227	PLUG, DRAIN HOSE		

WINDSOR®

Manufacturers of Innovative Building Maintenance Equipment

Windsor Industries, Inc.
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Englewood, CO 80110 USA

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FAX: 303.762.0817
http://www.windsorind.com

EC Declaration of Conformity

We herewith declare, Windsor Industries, Inc.
1351 W. Stanford Ave.
Englewood, CO 80110-5545 USA

that the following product complies with the appropriate essential health and safety requirements of the relevant EC Directives listed below, based on the relevant sections of the applicable EC standards and other normative documents.

Product: Admiral 8I

Product Identification: Rated 230 V 7 A
50 Hz

Trademark: WINDSOR®

Model/Type Ref.: ADM8I

Product Description: This product is a portable, electrical motor-operated, spray extraction appliance. It employs water-based cleaning agents for cleaning fabrics, upholstery, carpets, floor coverings, or hard surfaces. It is intended for commercial use.

Applicable EC Directives:
EC Machinery Directive
(89/392/EEC & 91/368/EEC & 93/44/EEC & 93/68/EEC)
EC Low Voltage Directive
(73/23/EEC & 93/68/EEC)
EC Directive of Electromagnetic Compatibility
(89/336/EEC & 93/68/EEC)

Applicable Harmonized Standards:
EN 60335-1: 1991
EN 60335-2-68: 1997
EN 55014-1: 1997
EN 55014-2: 1997

Authorized Signature

5/3/04
Date

Title of Signature: Vice President, Windsor Industries, Inc.

QUEST ... for Continuous Improvement.
Windsor's Quality Management System is Certified ISO 9001.